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FLAT PANEL DISPLAYS

Professional 37" - 65" SD and HD Plasma and LCD Monitors

Because flat panel displays are used in a variety of applications, they must meet a range of requirements. They must offer clear, faithful images. And they must provide advanced functions, screen sizes large enough for the installation location, and a level of resolution suited to the content that will be displayed. Available in five sizes and two different definition panels, Panasonic's plasma and LCD line-up provide all that and more.

Boasting phenomenal image quality, the industry's highest gradation and outstanding contrast, Panasonic's 8th generation SD-Standard Definition (852 x 480 resolution) and HD-High Definition (1024 x 768 and 1366 x 768 pixel resolution) plasma and LCD monitors provide pictures with the kind of breathtaking beauty that stirs emotion.

*The **TH-32LHD7UY** 32" HD LCD display is perfect when space is at a premium. Function slots let you customize the unit for a specific application. This panel is suitable for displaying both text and still images. The 37" **TH-37PWD8UK SD** and **TH-37PHD8UK HD** plasma displays fit well in stores. They can display images from two video sources at the same time, making it ideal for information displays in stores, show windows and other uses.*

*When set up for portrait display, the 42" **TH-42PWD8UK SD** and **TH-42PHD8UK HD** plasma displays are similar in size and aspect ratio to a movie-size poster. Use them as a moving image poster. Or upgrade the system with a scheduling function that displays content according to the correct time zone, and use them as a digital signboard.*

*For business meetings, presentations and other situations calling for powerful visual impact, the 50" **TH-50PHD8UK** HD plasma is ideal. An optional touch panel adds sophistication and ease. It can also be upgraded to display handwritten notes for even greater persuasive power. The massive 65" **TH-65PHD8UK** HD monitor is ideal for any application calling for an eye-catching, super-sized vertical or horizontal display. Use it in a directory in a building lobby, an information board for an airport, train station or other large public facility, or a monitor at event sites. With its large screen and high resolution, it displays images that look clear and crisp even from a distance.*

They are packed with innovative picture-improving technologies including a Real Black Drive System, Super Real Gamma System, Motion Picture Disturbance (MPD) Noise Reduction, 3D Color Management, and Active I/P (Interlace/Progressive) Conversion. They offer long service life, multi-screen capabilities and customization options.

To meet a variety of applications they offer advanced functions such as Dual Picture and Digital Zoom and a built-in video wall processor that enables up to 4x 4 multi-screen configuration. They also have multi-function slots where a variety of optional networking or AV input boards can be added or exchanged allowing the monitors to be customized. For added convenience, they offer a host of energy-saving functions, and their Contrast Automatic Tracking System (C.A.T.S.) senses ambient lighting conditions and adjusts brightness and gradation accordingly. The displays can be vertically or horizontally mounted and are ideal as updateable digital signage or for an endless array of multimedia applications.

FLAT PANEL DISPLAYS

Highest Picture Quality

- The front protective glass of the plasma display panels incorporate a Deep Black Filter that suppresses light transmittance and slashes the amount of external light reflected. This allows the displays to achieve high contrast ratio when viewed in bright surroundings.
- New Real Black Drive System reduces the pre-discharge emission when reproducing black, providing deeper, richer blacks and a stunning 4000:1 contrast in SD models, and 3000:1 in HD models. The result is dramatically enhanced image
- They use ultra-precise, 14-bit signal processing to produce vividly rich details. The Advanced Real Gamma System then takes it another step further with full-time, full-pixel 1,536-step gradation and 2,048-step dark-area gradation. This level of gradation brings intricate details and more faithful color reproduction to all scenes, dark and bright.
- The area in which the phosphor can be applied has been increased, dramatically improving both light-emitting efficiency and intensity. Furthermore, by optimizing the gas composition ratio, lighting efficiency has been increased by about 15%. The result is the industry's highest level of brightness.
- Standard AGC (Automatic Gain Control) detects the brightness level of the entire image, then boosts it as necessary. However, this increases noise. Panasonic's Adaptive AGC raises contrast while suppressing noise by detecting and boosting only the image edges.
- Improvements to the drive circuit and plasma gas inside the panel have enabled Panasonic to boost peak brightness while lowering power consumption. They boast a long service life of 60,000 hours. A newly developed phosphor also raises the displays resistance to static-image screen burning to the same level as CRT displays.
- High-precision MPD (Motion Picture Disturbance) Noise Reduction detects motion patterns that tend to generate noise and makes the necessary adjustments to maximize image quality. The result is crisp, clean moving images. Plus, it doesn't diminish the quality of stationary objects, such as those in the backyard.
- For vibrant colors and natural skin tones, Panasonic's 3D Color Management system works in a three-dimensional color matrix (hue, saturation, brightness). By correcting hue and brightness independently and providing finer control, this process delivers vibrant colors and natural skin tones.
- Active I/P (Interlace/Progressive) Conversion system detects slow movements more precisely by increasing the range for detecting moving-picture and still-picture pixels. This reduces I/P conversion noise that often occurs when reproducing tiny movements, thereby producing crisper images while raising the vertical resolution in interlaced images.

Advanced Dual Picture Mode

Panasonic plasma displays feature a new Advanced Dual Picture Mode in addition to the conventional Dual Picture Mode. This new mode lets you overlay a video image onto a full-screen PC image. For example, you can superimpose text information from a PC over a video clip, giving you a more effective way to present information. When displaying two separate images, you can select the audio output from either source (previous models reproduced audio from the main source only). Playing back the audio from the sub-source can be useful in teleconferencing, for example.

Note: TH-42PWD8UK and 37PWD8UK cannot display two images when both are from component video or RGB (PC) signal sources. The Advanced Dual Picture Mode may not work properly with some video signals and is not available on the TH-32LHD7UY.

Advanced Dual Picture Mode

Dual Picture Mode

Picture-And-Picture

Picture-Out-Picture

Picture-In-Picture

FLAT PANEL DISPLAYS

Enhanced Screen Saver Functions

◆ A variety of screen saver functions help minimize the risk of uneven phosphor aging. You can also use the timer to set the screen saver operating cycles, operating time, and start and stop times. This lets you make settings that match your application.

— White Bar Scroll: White bars move across the screen from left to right at regular intervals. Good for ordinary still-image displays.

— Screen Reversal: Displays images with black and white reversed. Good for text displays.

— Side Panel Adjustment: Brightens the black bands on the sides of the screen when displaying images in the 4:3 format.

— Wobbling: Shifts the image's position by several pixels at fixed time intervals.

— Peak Limit Mode: Lowers the peak brightness level (image contrast) by 30%.

Energy-Saving Functions

◆ A broad range of environment-friendly functions help minimize energy consumption.

— DPMS (Display Power Management Signaling): Power is automatically turned on or off in response to a sync signal from a PC connected to the built-in PC input terminal.

— Auto Power Off: When you're using a device connected to the multi-function slots, the display panel goes into standby mode after 10 minutes if no sync signal is received.

— Power Save Mode: Reduces the display's brightness.

— Standby Power Save Mode: Reduces power consumption when on standby.

Additional Features

◆ The Sound Menu gives you a choice of three sound settings (Standard/Dynamic/Clear) to best match the kind of input source.

◆ Panasonic's "silence engineering" eliminates the need for a fan — and fan noise — giving you the kind of quiet operation that makes for a more pleasant viewing experience.

◆ 4x Digital Zoom lets you enlarge a portion of an image by up to 4x normal size and display it on the full screen. Use this function to give your presentations greater impact.

New Cabinet Design

Panasonic plasma displays (except the 65") have a simple, slim front bezel design. Control buttons and the Power button are set on the bottom surface. This gives the panels a smooth, clean look while also helping prevent accidental operation and tampering.

◆ The 65", 50" and 42" models can be positioned vertically to display portrait images, allowing them to serve as effective storefront signboards. There's no need to install an optional fan kit.

Remote System Monitoring

In addition to the conventional display control command and power supply/input selection check command, Panasonic flat panel displays feature a new monitor command that lets you check the signal from a distant location. In conventional systems, you had to install a monitoring camera to check the images displayed on an advertising display panel or digital signage system. This new monitor command, on the other hand, lets you monitor images by simply connecting a PC via a serial cable.

Multi-Screen Applications

The built-in image-enlarging function makes it easier to set up a multi-screen display system with four (2 x 2), nine (3 x 3), or 16 (4 x 4) units. For example, with sixteen 65" displays you can configure a huge display equivalent to 260" by simply connecting ordinary cables. That's the kind of display that catches eyes at shopping malls and event sites. This function works with component video signals, so you can use enlarged images from DVD and other high-quality sources in your display.

Thanks to the ID control function, you can use the standard remote control unit to control multiple panels individually. There is also a mode that displays a full-screen image, including the edges (the width of the frame) of the display panel — something not possible with previous systems. This is especially suitable for displaying text information, since no words are hidden by the frame.

FLAT PANEL DISPLAYS

Unmatched Expandability

In addition to their fixed inputs, the Panasonic line offer dual and triple function slots and a host of optional function boards, to offer outstanding flexibility and adaptability, allowing them to display solutions to an even wider range of customer needs. This gives you the flexibility to add digital or analog capabilities as necessary and to create a customized system that meets your exact needs. Combined with the superb image quality, this level of flexibility makes Panasonic flat panel displays THE high-performance solution to almost any application.

Multi-Function Slots on 32" and 37" Models: These models come with the standard terminal boards mounted in slots 1 and 2. You can remove the standard boards and mount one or two of the optional boards.

Multi-Function Slots on 42", 50" and 65" Models: These models come equipped with the standard terminal boards mounted in slots 2 & 3. You can mount optional terminal board in slot 1. Or, you can remove the standard terminal boards and mount up to three optional boards.

TY-42TM6B BNC Composite Video Terminal Board
For connection with analog equipment, the TY-42TM6B BNC Composite Video Terminal Board lets you connect a VCR, DVD player or video camera. This board has a video output terminal too, so you can also connect a sub-monitor device for image monitoring.

TY-42TM6V RCA Composite Video Terminal Board
Same as above except with RCA terminals instead of BNCs.

TY-42TM6A BNC Component Video Terminal Board
For connection with analog equipment, the TY-42TM6A lets you connect a VCR, DVD player or video camera. This board has a video output terminal too, so you can also connect a sub-monitor device for image monitoring.

TY-42TM6Z RCA Composite Video Terminal Board
Same as above except with RCA terminals instead of BNCs.

TY-42TM6Y Composite/Component Video Terminal Board
For connection with analog equipment, the TY-42TM6Y lets you connect a VCR, DVD player or video camera. Component connections use BNCs, the composite connections use RCA terminals.

TY-42TM6P PC Input Terminal Board
Allows you to connect multiple PCs. Use it in conference rooms, class rooms, lecture halls—any site where PCs are often used.

TY-42TM6G RGB Active-Through Terminal Board
For multi-screen system configuration, the TY-42TM6G allows the daisy chaining of multiple plasma displays, making it easy to configure a multi-screen plasma display system.

TY-42TM6D RGB (Digital) Terminal Board (DVI-D with HDCP)
The TY-42TM6D lets you connect a PC or other compatible digital equipment that outputs digital RGB signals (DVI-D compliant).

TY-4FB8HM HDMI Terminal Board
The next-generation standard digital interface, HDMI terminal board digitally transfers video and audio signals over a single cable. Connect a compatible DVD player via an HDMI terminal, and the plasma display can reproduce images with the equivalent of 4,096 gradation levels.

TY-FB7SD SDI *and* TY-FB7HD HD-SDI Terminal Boards
For connection with broadcast equipment, these boards are compatible with the SDI or HD-SDI (for HDTV) systems used by broadcasting stations. These boards let the plasma displays to reproduce crisp, clear images in a studio or control room.

TY-FB7WPU Wireless Presentation Board
For wireless connection, the TY-FB7WPU allows the plasmas to simultaneously display signals from up to four notebook PCs. With a wireless connection, you can get a presentation or meeting under way quickly without taking the time and trouble to connect cables.

TY-42TM6B

TY-42TM6V

TY-42TM6A

TY-42TM6Y

TY-42TM6P

TY-42TM6G

TY-42TM6D

TY-4FB8HM

TY-FB7SD

TY-FB7WPU

PLASMA SYSTEM SOLUTIONS

Digital Signage/Narrowcasting System Complete with Touch Panel

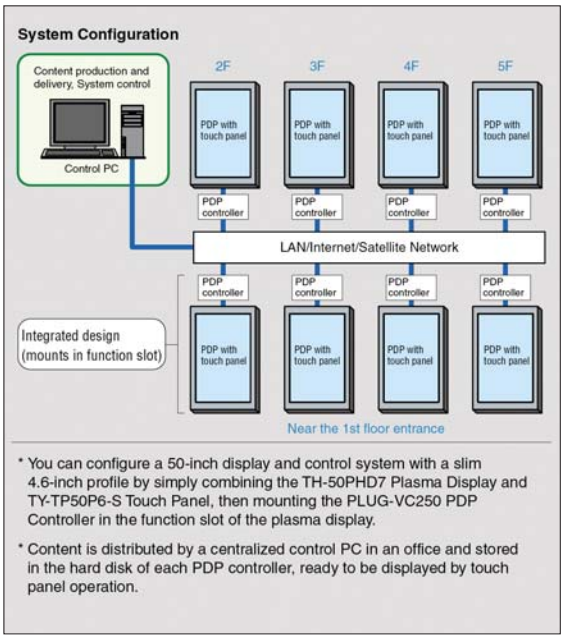
Easily construct a simple, interactive content distribution system for retail chains and public spaces such as shopping malls, office buildings and hotels.

Constructing a Multi-Language Environment:
In contrast with conventional methods, in which several information panels are prepared in different languages, this digital system allows visitors to simply touch the panel itself to switch to the language they want. It is a highly effective and efficient way to offer people the content that they want to see.

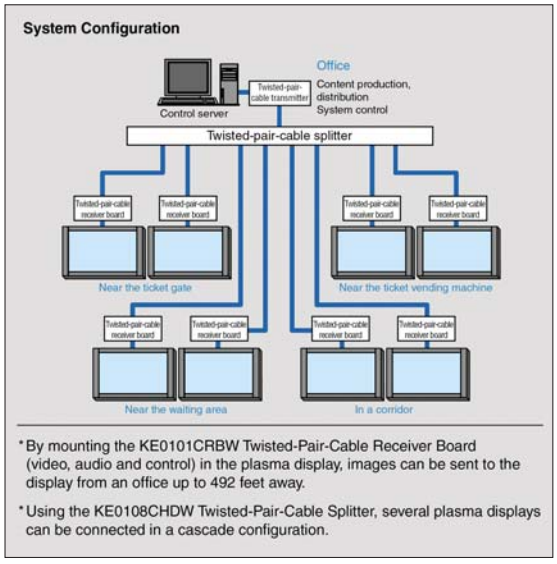
Flexible Content Control:
Each PDP controller fits inside the plasma and has a unique IP address, allowing content to be streamed to the plasma on any LAN, modem, Internet or satellite network. It speeds up the process of updating information, and any combination of plasmas can be controlled locally or from a central location.

Space-Saving and Easy to Install:
The display system is slimmed down by incorporating the optional PDP Controller right inside the plasma display. It requires only two connections, power and network. The mouse/keyboard connections can be wireless, through the PCMCIA slots.

Universal System Design:
Since the entire system is configured in a Windows environment, the Controller is compatible with a wide variety of off-the-shelf software applications.


System Configuration
Content production and delivery, System control
Control PC
2F
3F
4F
5F
PDP with touch panel
PDP controller
LAN/Internet/Satellite Network
Integrated design (mounts in function slot)
Near the 1st floor entrance
* You can configure a 50-inch display and control system with a slim 4.6-inch profile by simply combining the TH-50PHD7 Plasma Display and TY-TP50P6-S Touch Panel, then mounting the PLUG-VC250 PDP Controller in the function slot of the plasma display.
* Content is distributed by a centralized control PC in an office and stored in the hard disk of each PDP controller, ready to be displayed by touch panel operation.

Information System Using the Twisted-Pair-Cable Receiver Board


System Configuration
Office
Content production, distribution System control
Control server
Twisted-pair-cable splitter
Near the ticket gate
Near the ticket vending machine
Near the waiting area
In a corridor
* By mounting the KE0101CRBW Twisted-Pair-Cable Receiver Board (video, audio and control) in the plasma display, images can be sent to the display from an office up to 492 feet away.
* Using the KE0108CHDW Twisted-Pair-Cable Splitter, several plasma displays can be connected in a cascade configuration.

Displays up-to-date information such as transportation schedule changes, stock market conditions, and countless other possible subjects.

Real-Time Information Bulletins:
The use of the CAT5e twisted-pair cable allows content to be sent from the server in real-time, for instant response to events such as sudden changes in transportation schedules or accident information as it becomes available.

Long-Distance Transmission of High-Quality Video Signals:
High-resolution XGA images, sound and RS232C control signal are transmitted approximately 492' over a single cable. PDP control signals can also be sent over the same cable to allow remote operation of power ON/OFF and other functions.

Higher Signal Quality, Lower Costs, and Easier Installation:
Thin, lightweight CAT5e twisted-pair cables do a better job of preventing signal degradation than coaxial cables. They also reduce costs and shorten the time needed for installation.

PLASMA SYSTEM SOLUTIONS

Multi-Presentation System Using a Variety of Peripheral Equipment

Panasonic plasma TVs support diverse video sources. Mount peripherals to the plasma display to take advantage of its detailed images and wide viewing angle.

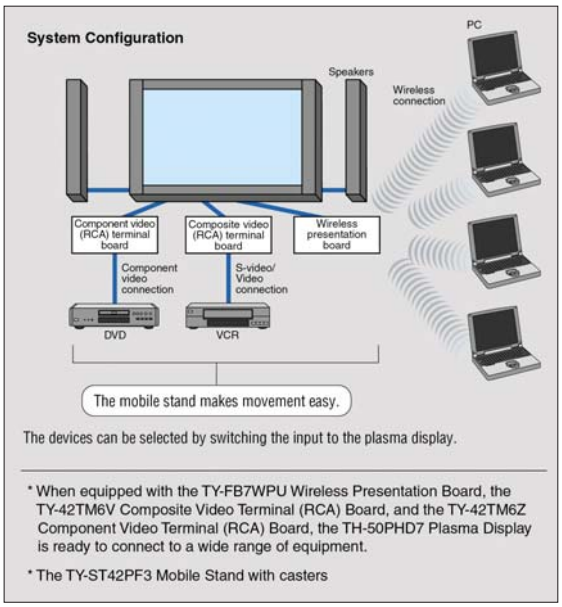
No Complicated Connections: You can connect multiple notebook PCs to a single plasma display by simply making the appropriate network settings. Naturally, this means that the conference room is neater, because there are no connection cables to clutter it up. The display can also be controlled by the PCs.

Display Four PC Screens at the Same Time: It is easy to hold group presentations, because the screen images of up to four PCs can be displayed simultaneously.

A Wealth of Functions in a Compact System: The large screen and wide viewing angle of the plasma display make it ideal for use in discussions. You can optimize it even further by adding an array of peripheral equipment:

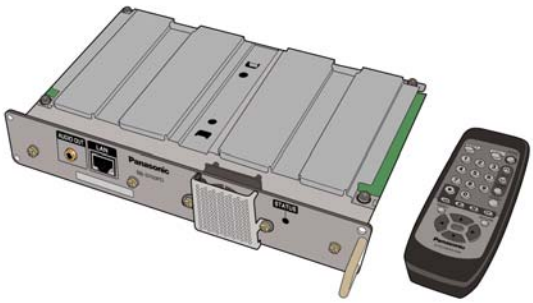
- Mounting a component video terminal board lets it receive the input of high-resolution DVD signals.
- Mounting a composite video terminal board enables connection of various analog equipment.

You can select the input for whichever video source you want easily with the remote control. And you can mount the entire system to a wheeled stand, for easy movement.


System Configuration
PC
Speakers
Wireless connection
Component video (RCA) terminal board
Composite video (RCA) terminal board
Wireless presentation board
Component video connection
S-video/ Video connection
DVD
VCR
The mobile stand makes movement easy.
The devices can be selected by switching the input to the plasma display.
* When equipped with the TY-FB7WPU Wireless Presentation Board, the TY-42TM6V Composite Video Terminal (RCA) Board, and the TY-42TM6Z Component Video Terminal (RCA) Board, the TH-50PHD7 Plasma Display is ready to connect to a wide range of equipment.
* The TY-ST42PF3 Mobile Stand with casters

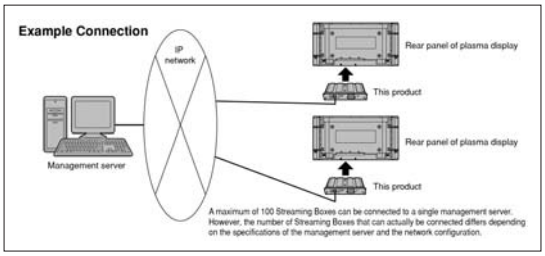
BP-S700PD Networked MPEG2 Player

- The local remote control allows playback control without the need for a mouse and keyboard.
- Video signals are transmitted digitally to ensure crisp, clear images.
- The hardware decoder produces DVD-level image quality by supporting MPEG2 MP@ML (Main Profile@Main Level) transport. High-bit-rate data also streams smoothly because all playback data is first stored in the built-in hard disk.
- Combined with the BB-SMG700 Management Software, it is possible to schedule the distribution of motion video, still images and other content, and deliver over a LAN or Internet.



BB-SMG700
Management Software

Lets you control up to 100 plasma display panels, and contains all of the functions necessary for video distribution.


Example Connection
IP network
Management server
Rear panel of plasma display
This product
Rear panel of plasma display
This product
A maximum of 100 Streaming Boxes can be connected to a single management server. However, the number of Streaming Boxes that can actually be connected differs depending on the specifications of the management server and the network configuration.

OPTIONAL PLASMA ACCESSORIES

Pedestals

TY-ST07-K *(PATYST07K)* .....**CALL**
TY-ST08-K *(PATYST08K)* **159.95**
TY-ST65-K *(PATYST65K)* **849.95**
TY-ST32L7-K *(PATYST32L7K)* .....**CALL**

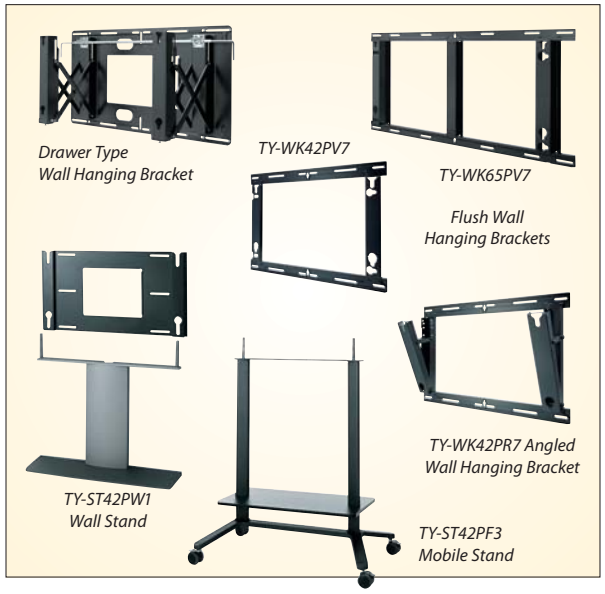
Stands

Wall Stand *(PATYST42PW1)* .....**CALL**
Mobile Stand *(PATYST42PF3)* **899.95**

Drawer Type Wall Hanging Bracket

TY-WK42DR1 *(PATYWK42DR1)* .....**CALL**

TY-ST08-K Pedestal



Flush Wall-Hanging Brackets

TY-WK37PV3 *(PATYWK37PV3)* **314.95**
TY-WK42PV7 *(PATYWK42PV7)* **349.95**
TY-WK65PV7 *(PATYWK65PV7)* **374.95**

Angled Wall-Hanging Brackets

TY-WK32LR1S *(PATYWK32LR1S)* ....**CALL**
TY-WK42PR7 *(PATYWK42PR7)* **429.95**

Ceiling-Hanging Bracket

TY-CE42PS7 *(PATYCE42PS1)* **719.95**

TY-ST07-K Pedestal

COMPATIBLE MOUNTING MODELS AT A GLANCE

	TY-ST65-K	TY-ST08-K	TY-ST07-K	TY-ST32L7-K	TY-WK42DR1	TY-WK65PV7	TY-WK42PV7	TY-WK37PV3	TY-WK42PR7	TY-WK32LR1S	TY-ST42PW1	TY-ST42PF3	TY-CE42PS7
65PHD8UK	✓	—	—	—	—	✓	—	—	—	—	—	—	—
TH-50PHD8UK	—	✓	✓	—	✓	—	✓	—	✓	—	✓	✓	✓
TH-42PHD/PWD8UK	—	✓	✓	—	✓	—	✓	—	✓	—	✓	✓	✓
TH-37PHD/PWD8UK	—	✓	✓	—	—	—	✓	✓	✓	—	✓	—	✓
TH-32LHD7UY	—	—	—	✓	—	—	—	—	—	✓	—	—	—

An add-on touch-panel lets you write directly onto the screen with a light touch. It is ideal for adding written comments during a presentation or meeting.

- Highly reliable optical sensor system
- Outstanding resolution, easy operation
- Thin design — a precise fit with the screen
- Lets you use display as a "whiteboard"

For 65" display *(PATYTP65P8S)* **3999.95**
For 50" display *(PATYTP50P8S)* **2879.95**
For 42" displays *(PATYTP42P8S)* **2639.00**

Touch Pen *(PATYTPEN6)*
For Touch Panel.....**224.95**

Detachable Stereo Speakers

Designed for Panasonic plasma monitors, these 2-way, 3-speakers mount on the sides of the monitor and will be powered by the monitor's built-in audio amplifier.

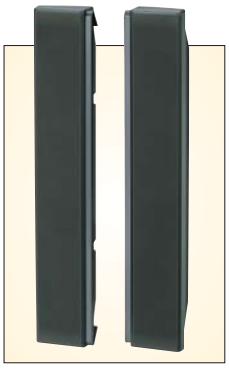
Speakers for 65" Plasma Display *(PATYSP65P7WK)*
Measures 3.9 x 36.4 x 3.5" (WHD). Each speaker weighs 4.9 lbs....**749.95**

Speakers for 50" Plasma Display *(PATYSP50P8WK)*
Measures 4.2 x 28.5 x 3.5" (WHD). Each speaker weighs 4.4 lbs....**299.95**

Speakers for 42" Plasma Display *(PATYSP42P8WK)*
Measures 4.2 x 24 x 3.5" (WHD). Each speaker weighs 4.4 lbs.....**259.95**

Speakers for TH-37PHD8UK/37PWD8UK Displays *(PATYSP37P8WK)*
Measures 4.2 x 21.7 x 3.5" (WHD). Each speaker weighs 4.4 lbs....**249.95**

Speakers for TH-32LHD7UY Display *(PATYSP32L7WS)*
Measures 4 x 19.7 x 4.0" (WHD). Each speaker weighs 4.2 lbs.....**259.95**



PDP Controller for 42-, 50- and 65" Models

- Function board design reduces wiring and saves space.
- Realistic display images are achieved by a 1:1 pixel correspondence with Panasonic plasma displays.
- The controller can also be used in vertical display applications.
- Only requires a network and power connection. Mouse/keyboard connections can be wireless, through the PCMCIA slots.

PLASMA SPECIFICATIONS

	TH-32LHD7UY	TH-37PWD8UK	TH-42PWD8UK	TH-37PHD8UK	TH-42PHD8UK	TH-50PHD8UK	TH-65PHD8UK
B&H Product No.	*PATH32LHD7UY*	*PATH37PWD8UK*	*PATH42PWD8UK*	*PATH37PHD8UK*	*PATH42PHD8UK*	*PATH50PHD8UK*	*PATH65PHD8UK*
Power Source	120V AC, 50/60 Hz	120V AC, 50/60 Hz	120V AC, 50/60 Hz	120V AC, 50/60 Hz	120V AC, 50/60 Hz	120V AC, 50/60 Hz	120V AC, 50/60 Hz
Power Consumption	234 W	250 W	275 W	282 W	337 W	440 W	675 W
Power Off Condition	0.2 W	0.05 W	0.05 W	0.05 W	0.1 W	0.1 W	0.2 W
Stand-By Condition	Save On: 0.6 W Save Off: 0.8 W	Save On: 0.7 W Save Off: 1.0 W	Save On: 0.7 W Save Off: 1.0 W	Save On: 0.7 W Save Off: 1.0 W	Save On: 0.4 W Save Off: 0.6 W	Save On: 0.4 W Save Off: 0.6 W	Save On: 0.5 W Save Off: 0.7 W
LCD Display Panel	a-Si TFT active matrix 32″, 16:9 aspect ratio	Drive method: AC type 37″, 16:9 aspect ratio	Drive method: AC type 42″, 16:9 aspect ratio	Drive method: AC type 37″, 16:9 aspect ratio	Drive method: AC type 42″, 16:9 aspect ratio	Drive method: AC type 50″, 16:9 aspect ratio	Drive method: AC type 65″, 16:9 aspect ratio
Contrast Ratio	800:1	4000:1	4000:1	3000:1	3000:1	3000:1	3000:1
Screen Size *(W x H)* *Diagonal*	27.4″ x 15.4″ 31.5″	32.2″ x 18.1″ 37″	36.2″ x 20.4″ 42″	32.2″ x 18.1″ 37″	36.2″ x 20.4″ 42″	43.5″ x 24.5″ 50″	56.5″ x 31.7″ 65″
Number of Pixels	1,049,088 1,366 x 768 (WH)	408,960 852 x 480 (WH)	408,960 852 x 480 (WH)	737,280 1,024 x 720 (WH)	786,432 1,024 x 720 (WH)	1,049,088 1,366 x 768 (WH)	1,049,088 1,366 [W] x 768 [H]
Audio Output *(10% THD)*	16 W (8 W + 8W)	16 W (8 W + 8W)	16 W (8 W + 8W)	16 W (8 W + 8W)	16 W (8 W + 8W)	16 W (8 W + 8W)	16 W (8 W + 8W)
Applicable PC Signals	XGA	VGA	VGA	XGA	XGA	XGA	XGA
Dimensions *(W x H x D)*	31.7″ x 19.7″ x 4.0″	36.2″ x 21.7″ x 3.5″	40.2″ x 24.0″ x 3.5″	36.2″ x 21.7″ x 3.5″	40.2″ x 24.0″ x 3.5″	47.6″ x 28.5″ x 3.7″	61.2″ x 36.4″ x 3.9″
Weight	37.5 lbs.	55.1 lbs.	65 lbs.	57.3 lbs.	69.4 lbs.	94.8 lbs.	172 lbs.
Color System	NTSC, PAL, PAL 60, SECAM, Modified NTSC						
Safety Standards	UL6500/C-UL						
Terminals (AV)	VIDEO IN/OUT (BNC): 1.0 Vp-p (75-ohms), S-VIDEO (Mini DIN 4-pin): Y: 1.0 Vp-p (75-ohms), C: 0.286 Vp-p (75 ohms), AUDIO IN L/R (RCA x 2): 0.5 Vrms						
(COMPONENT/RGB)	Y/G (BNC): 1.0 Vp-p/composite (75-ohms); 0.7 Vp-p/non-composite (75 ohms), PB, PR/CB, CR (BNC): 0.7 Vp-p (75 ohms); R/B (BNC): 0.7 Vp-p (75 ohms) AUDIO IN L/R (RCA pin jack x 2): 0.5 Vrms (high impedance)						
(PC)	(Mini D-sub 15-pin), fH: 15 — 110 kHz; fV: 48 — 120 Hz, R,G,B: 0.7 Vp-p (75-ohms), Y: 1.0 Vp-p (75-ohms: including sync) PB, PR/CB, CR: ± 0.7 Vp-p (75-ohms); HD, VD/1.0 — 5.0 Vp-p (high impedance), Audio In (M3 jack): 0.5 Vrms (high impedance)						
(SERIAL)	External control terminal (D-sub 9-pin), RS-232C compatible						

PLASMA DISPLAYS

Pioneer's plasma displays have become the preferred standard for applications including information visualization, lobbies, conference and boardrooms, large area viewing command control centers, point of information or public display, information kiosks and digital signage. Utilizing Pioneer's extensive understanding of industrial displays, leading edge product design and manufacturing ability, these displays take performance and flexibility to an entirely new level by increasing brightness, sharpness and color reproduction quality while also increasing reliability, operating ease and versatility. Pioneeer initiated the development of plasma displays in 1991, and have worked ceaselessly to achieve higher levels of detail, picture quality and functionality. In 1999, they developed the industry's first Encased Cell Structure panel and Advanced Continuous Emission (ACE) technology. Then in 2001, they achieved a further breakthrough with the Deep Encased Cell Structure. In terms of functionality, they were the first to provide expansion slots for professional applications and to be certified by Microsoft's WHQL (Windows Hardware Qualification Labs).

Pioneer Plasma Displays fit seamlessly and elegantly into corporate offices. They can be used in lobbies, conference rooms, common office areas or even open meeting areas and are highly effective tools in business.

Pioneer Plasma Displays can be used in control room type applications where space is a premium. Important information can be easily read and monitored with wide viewing angles and bright, sharp images.

Electronic advertising, promotions or up to date product information can be easily displayed and read by customers on a Pioneer Plasma Display in retail environments.

Public information displays are gaining popularity using Pioneer Plasmas. High visibility combined with leading-edge Pioneer Plasma technology, make this venue a perfect fit. Get their attention, convey your message and make an impression, all with the help of Pioneer Plasma Displays.

PDP-424MV

42" WVGA Professional Plasma Display

Pioneer's PDP-424MV professional plasma display offers high image quality at an affordable price, in a compact 42" size. Offering commercial users another option for their digital signage, boardroom and other business applications, the PDP-424MV features superior brightness and contrast. A wide range of user-friendly functions such as programmable timer, up to 9x point zoom, energy and image burn-in management and video wall capability, enable outstanding control and convenience. For added value, it offers significant longevity for a commercial user. 60,000 hours is the time for the display panel to reach half of its original luminescence.

FEATURES

High Image Quality

- The PDP-424MV uses a precisely engineered CCF (Capsulated Color Filter) that decreases light reflection for better view ability and filters out unnecessary elements in the red, green, and blue light for true color reproduction. Skin tones, for example appear more natural because the filter is designed to reduce the orange tint present in the red color range. All images, even fast-moving ones, will be accurate, crisp and natural.
- Black Stripe inhibits the reflection of outer light and enhanced contrast to ensure that dark colors remain crisp and clear, even in bright settings.
- Encased Cell Structure is a key factor in the PDP-424MV's superior performance. The cells feature a larger phosphor surface area that prevents light leakage enabling better performance. Luminous efficiency is higher, the screen is brighter, and subtle details are enhanced.
- Pioneer knows that colors are crucial to your business. "Red" can mean a lot of different things to different companies. Get red right- or whichever colors you need to fine-tune- without skewing the other colors in the picture-using Pioneer's essential Color Detail Adjustment feature.
- Point Zoom function lets you expand any portion of a PC or video image from 1x to 9x in 64 steps.

Superior Image Processing Technology Quality

- From input to output, through all processing steps, the video signal remains in the digital domain. This ensures noise-free, no-loss processing of a variety of inputs from video to PC, allowing the highest possible signal quality.
- For precision, four gamma modes allows a more accurate display of the tone gradations, even for images with low lighting.
- Scan converts input signals with high sampling accuracy so even minor details such as small letters are sharp and clear.
- I/P conversion and scaling Larger Scale Integrated (LSI) circuits smooth jagged edges, correct color bleeds and select the ideal input resolution by simultaneously sensing both Y and C signals, resulting in images that are smooth and clean.

Video Wall Capability

Easy-to-configure multi-monitor video walls. Possible configurations are 2x2, 3x3, 4x4 and 5x5. Two display modes are available, one that enlarges all picture elements so the entire picture is visible and one that enlarges the whole image so lines between units are not visible. Other functions include Power On Delay to reduce initial power load, ABL Link for aligning monitor brightness in multi-monitor displays and Auto ID Setting.

Conveniences

- ABL (Auto Brightness Limiter) Lock provides three selectable modes to reduce power consumption when desired. Modes to manage image burn-in include Orbiter (moves image one pixel at a time), Inverse (displays image as negative), Full Mask (white) and others.
- Timer function features a convenient Weekly Timer and the following programmable functions: power on/off, input selection, activation of image burn-in management modes.

PDP-425CMX

42" XGA Professional Plasma Display

A professional plasma display, the PDP-425CMX offers the flexibility of Expansion Solutions in a 42" size and displays images with a new level and brilliance as well as exceptional depth. PureVision and the Pure Drive system ensure the image you project is compelling and true-to-source. This next generation panel has pure digital processing and is ideally suited for a wide range of professional and public display applications.

FEATURES

Pure Black Panel

- In addition to Deep Encased Cell Structure the PDP-425CMX uses another breakthrough technology called Crystal Emissive Layer to achieve high luminous efficiency. The result is unprecedented high brightness of 1,400 cd/m2 (peak/panel) and greatly improved dark-area contrast. Blacks are blacker, while light areas maintain their true brightness values. Bright-area contrast is also much higher, meaning that the PDP-425CMX will provide conspicuous, effective displays in bright places such as shopping malls, event venues and showrooms.

New Pure Drive Pro

- High efficiency and the best possible picture quality have been achieved by mounting the color management, scaling, GUI mix and other image processing technologies on a single chip that Pioneer developed exclusively for their professional monitors.
- Superb scaling performance ensures that even high-resolution signals are reproduced with minimal data loss. Even when the image is expanded by video wall or point zoom functions, the monitor displays detailed information with extreme clarity.
- In addition, ACE IV technology enables the panel to accurately reproduce high level gray scale for each color. The panel instantly identifies the type of image being shown (fast- vs. slow-motion scenes, dark vs. light scenes) and dynamically optimizes the distribution of color gradation.

Dual Screen Function

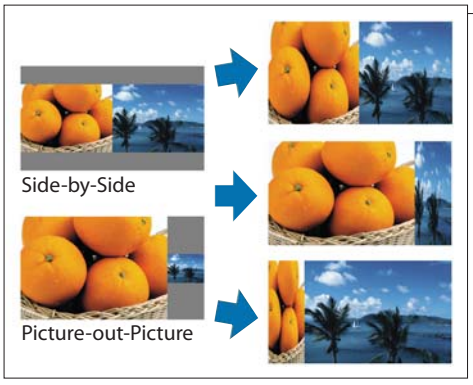
The new Pure Drive Pro image processing engine greatly improves processing of not only the main image, but also the sub-image in dual image modes. As a result, a variety of dual-image displays not previously possible can now be shown, allowing presentations and product promotions that are impressive and persuasive.

Standard Dual Screen Mode

Remote control operation permits the use of Picture-in-Picture (P-in-P) and Side-by-Side modes. With P-in-P you can shift the position of the sub-image among four locations. Side-by-Side switches between the left and right images, and in addition to the swap function, you can also switch the audio via remote control.

Intelligent Dual Screen Mode

The P-in-P mode permits a number of display variations. You can select four sizes of P-in-P sub-images and you can set the transparency of the sub-image from 0 to 80%.



Upgraded Side-By-Side Mode

Easily switch between Side-by-Side and P-out-P modes with the Integrator Menu. It is also possible to select three horizontal aspect ratios for dual image, full screen display.

Banner PIP Mode Displays On-Screen Titles

You can easily display titles prepared in PowerPoint presentation software or other programs on the screen. You can choose four positions for the titles: top, medium top, medium bottom, and bottom. The transparency of the on-screen titles can also be varied.

Sub-Image Detection

If the sub-image input signal is lost during P-in-P display, this mode shuts off, and is automatically selected again when the signal is restored (operates only with P-in-P mode).

PDP-425CMX

Video Wall – Display up to 25 Images

Pioneer makes it easy to configure multi-monitor video walls. Possible configurations are 2x2, 3x3, 4x4 and 5x5. Two display modes provided: Normal, for showing data and text, enlarges the image so that no elements are hidden by bezels, while Adjusted, for pictures and video, enlarges the image as a single whole unit, as though looking through a window. Video Wall functions include Power On Delay, ABL Link, Auto ID Setting and Repeat Timer. Video Wall is an internal function, no external processing equipment required.

Power On Delay: The Power On Delay function automatically varies the powering up of each display to reduce the load on the power source.

Auto ID Setting: Automatically sets an ID for each display connected via a combination control cable to permit simpler error-free setting (operates only and 3x3 configurations).

ABL Link: The Auto Brightness Limiter Link function sets the brightness display at a uniform level (operates only with 2x2 and 3x3 configurations).

Repeat Timer: This function allows the repetition of two settings. For example, you the timer to display a video image on the full screen for three minutes, a PC image divided into four screens for six minutes. This is continuously repeated (operates only with 2x2 and 3x3 configurations).

Seamless Orbiter

Conventional orbiter modes reduce ghosting by moving the displayed image by one pixel at regular intervals. Because viewers can notice the movement, it interferes with their viewing. The PDP-425CMX has an improved Seamless Orbiter function, which moves the entire image in extremely small steps of less than a pixel. The most effective orbiting pattern was adopted based on a variety of simulations, achieving the maximum possible mitigation of ghosting without viewers noticing the process.

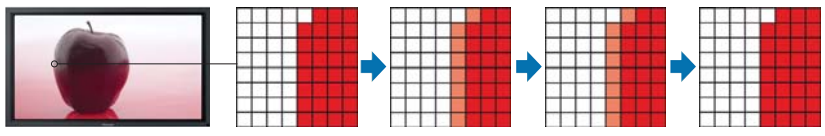
Conventional PDP

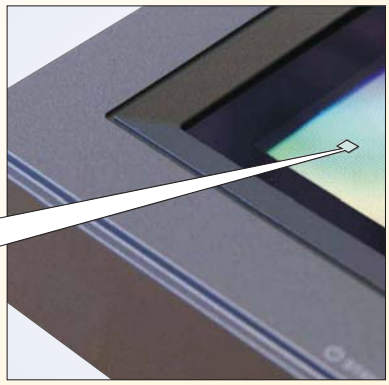
Conventional Orbiter Mode

The entire image moves one or more pixels at a time, easily noticeable in meetings.

Seamless Orbiter Mode

The entire image moves in extremely small steps undetectable to the human eye. Three types of processing can be selected to tailor the display s performance to the type of application and input — for example whether the content is primarily still or video images.





PDP-425CMX

High Performance

◆ When a command is transmitted from a control device to the PDP via the RS-232C interface, the PDP returns its status. This not only permits remote confirmation of current PDP status, it can also specify the cause of errors, should they occur, speeding up service response. The PDP-425CMX provides high control capacity - combination connections, variable baud rate setting, acknowledge function and more:

— Serial number information, Product model name, Hour meter, Interior temperature information, Power on/off information, Input signal information, Cause of error

◆ Programmable timer can control designated functions according to a schedule. Take advantage of a convenient weekly timer and seven programmable functions including power on/off, input selection, and activation of image burn-in reduction modes.

◆ The PDP-425CMX has a high performance dual image processing function that switches from one input image to another at the high speed of approximately 0.4 seconds. This ensures smooth, comfortable viewing of displays at exhibition halls or event venues and presentations in offices.

◆ Dual Image Freeze displays stills of new images as small images Image Freeze temporarily freezes a displayed image. The still image can be the sub-image in P-in-P mode or the left-side image in Side-by-Side mode. You will find this function to be convenient during presentations or meetings.

Additional Features

◆ Large GUI Display
◆ Frame Rate Conversion mode
◆ Display Call ◆ Point Zoom
◆ Intelligent Auto Setup
◆ Color Detail Adjustment
◆ Smart Cooling System
◆ Vertical and Left to Right Reversal Modes
◆ Priority Input Mode
◆ Layered Key Lock
◆ Retake Specialized Color Temperature Switching Function
◆ OSD Off ◆ LED Off ◆ Memory Lock

CONVENIENCES

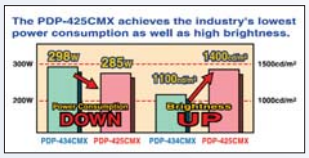
Five Pro modes allow image adjustment for professional applications:

– **Under-Scan**: Displays input video signals without modification.
– **Color-Off**: Removes color information for optimum display of black and white signals.
– **Still Image Processing**: Suppresses movement to display still images accurately by varying movement detection processing.
– **Pure Image**: Displays images as close as possible to the original signal with no image processing except I/P conversion.
– **High Contrast mode**: Uses special dynamic range expansion to make images more vivid.

Numerous image burn-in alleviation modes:

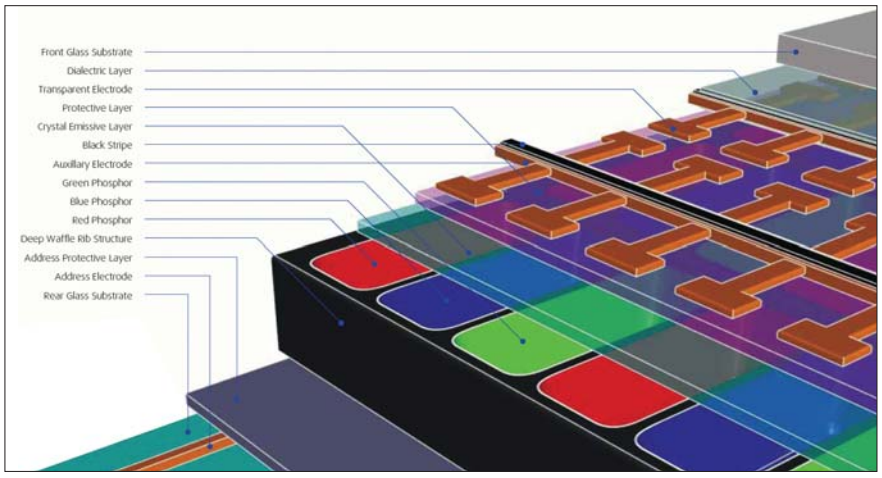
– **Side mask brightness adjustment**: Adjusts side mask brightness during 4:3 image display.
– **White signal display**: Displays white over the entire screen. This restores ghosted locations to their former condition.
– **Screen reversal display:** Restores ghosting by reversing the colors of the area where ghosting occurs.
– **Soft focus**: Blurs the edges of the image, making ghosting difficult to see.

Low power consumption and four energy saver modes:



This PDP-425CMX achieves the industry's lowest power consumption of 285-watts thanks to the high light emission efficiency of the new Pure Black Panel. Four energy saver modes contribute to further low power consumption:

Power Save, Intermediate, Linear Brightness, which decreases the peak intensity of high-brightness images, and Auto Brightness Control, which automatically adjusts panel brightness depending upon room lighting.



PDP-425CMX

Expansion Solutions

For the next-generation line of professional plasma displays, Pioneer offers a powerful concept—Expansion Solutions. Imagine a display with Pioneer's unprecedented image quality, custom tailored to fit each unique installation minus all the extra boxes and wires. These cutting-edge, open-architecture data and communications card-slot solutions enable you to change functionality as your business needs evolve and grow.

Other manufacturers utilize proprietary technology that forces you to build your concept around their constraints. Pioneer's open-architecture card slots are integrated right into all of the CMX models ranging from 42" to 50", making it easy for third-party card developers to develop customized cards to your exact specifications. And they offer a wealth of extra features such as added security and monitoring capabilities.

The PDP-425CMX is designed to be ready for any type of application with the integration of two ES Card Slot interfaces, one for communication and one for enhanced data. It comes supplied with a removable communication card that includes RS-232C and combination I/O interfaces. The second slot may optionally be used to enable video capabilities through the input of a wide range of analog or digital signals, with additional control. This means that one PDP-425CMX can be used for multiple tasks, including various applications that other PDPs can't handle. You have extensive flexibility right out of the box, and it is also ready for additional needs that may arise in the future. Pioneer's "Expansion Solutions" is just one more reason why the PDP-425CMX is the first choice in professional plasma display.

PDA-5003
BNC Connector Interface Card

Designed for exclusive use with Pioneer plasma displays, the PDA-5003 enables the ability to display high definition video through RGB/component, S-Video and composite input terminals. The plasma display has been originally designed as a computer monitor, but by installing the optional PDA-5003 video card, the supplementary features are produced:

- Allows use of additional input jacks (INPUT 3,4,5) supporting S-Video, composite video, component video and analog RGB signals.
- Allows connection to a wide variety of optional video and computer equipment.
- Has 3 video input connectors, video output connector, and 2 audio input connectors.

PDA-5004
RCA Connector Interface Card

Enables the ability to display high definition video through component, S-Video and composite input terminals. The PDA-5004 is a video card designed for exclusive use with the Pioneer plasma display. The plasma display has been originally designed as a computer monitor, but by installing the optional PDA-5004 video card, the supplementary features are produced:

- Allows use of additional input jacks (INPUT 3,4,5) supporting S-Video, composite video and component video.
- Allows connection to a wide variety of optional video equipment.
- Has 3 video input connectors, video output connector, and 3 audio input connectors.

Communication Slot

Video Slot

Pioneer Certified Third Party Expansion Solution Cards

Extron Electronics
IP Link Interface Module *(IPL M PDP-ES)*

This compact ethernet control card enables IP-based remote control, proactive monitoring, and troubleshooting.

Magenta Research
MultiView AK1000PDP
Integrated Analog CAT-5 Receiver

Enables high resolution video distribution over CAT-5/UTP. Signals can be transmitted over longer distances.

Alcorn McBride
HDSDI Digital Video Interface *(PDP HDSDI)*

Allows the PDP to connect directly to professional quality broadcast equipment or any other device with SMPTE-292M and SMPTE-259M output capability.

PDP-505CMX

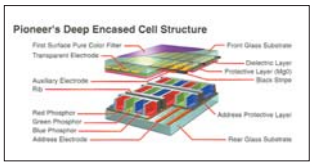
50" WXGA Professional Plasma Display

The consummate professional plasma display, the PDP-505CMX PureVision plasma offers Pioneer's First Surface Pure Color Filter, creating incredibly lifelike images for digital signage that truly stand out from ordinary displays. A fourth-generation panel has true 30-bit processing and is ideally suited for a wide range of professional and public display applications.

Super sleek, this 50" display capitalizes on Pioneer's Expansion Solutions technology, giving you the ability to insert a variety of expansion cards in a slot at the bottom of the plasma to change or enhance the capabilities of the display. Expansion cards are available from Pioneer as well as a variety of third-party manufacturers to create custom display solutions.

FEATURES

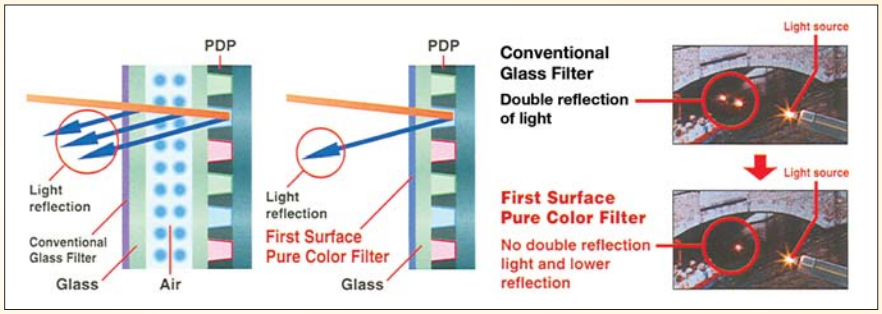
- Pioneer's Pure Drive technology encompasses the entire range of image generation and processing that gives the PDP-505CMX its astoundingly clear, smooth and natural color. Unlike other PDP systems, Pure Drive maintains all signals in the digital domain, which eliminates image transmission loss, reduces distortion, and provides a far greater degree of control. An important step in this process is Pioneer's ACE III (Advanced Continuous Emission III) technology, which uses 10-bit processing to create a palette of over a billion hues for much greater color gradation accuracy and detail, ensuring that data images are perfectly clear.
- The cells of a plasma display panel, where light is generated, are the most important factor determining image quality. Pioneer has continually refined their cell technology, which is called Deep Encased Cell Structure. The latest version incorporates and additional green fluorescent body material, contributing to ultra-high contrast and 1,000dc/m2 brightness.



- First surface pure color filter improves display performance in well-lit environments, which means most professional applications. The thin precision filter is bonded directly to the glass panel covering the plasma cells. Not only does it reduce reflections and improve contrast, but each color is precisely balanced as it passed through, resulting in more accurate reproduction of all images.

First Surface Pure Color Filter

Pioneer's plasma displays have become the preferred standard for applications including information visualization, boardrooms, large area viewing command control centers, information kiosks and digital signage. Pioneer's extensive understanding of industrial displays, leading edge product design and manufacturing ability has gone into producing the PDP-505CMX. This plasma takes performance and flexibility to an entirely new level by increasing brightness and color reproduction quality while also increasing reliability, operating ease and versatility.



PDP-505CMX

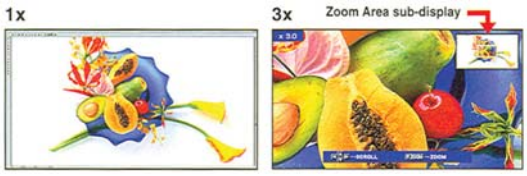
High Performance

- With a native resolution of 1,280 x 768, this high precision panel can accurately display person computer signals ranging from 640 x 400 and 640 x 480 (VGA) to 1,024 x 768 (XGA) and 1,280 x 768 (WXGA). It is also compatible with display resolutions of 1,280 x 1,024 (SXGA) and 1,600 x 1,200 (UXGA).
- Intelligent Auto Setup feature improves both performance and convenience, allowing image adjustment via the remote control. This display incorporates a new function, Auto Adjust, which detects the PC signal and automatically adjusts the position of the image, making it unnecessary to have to push the Auto Setup button.
- Pioneer knows that colors are crucial to your business. "Red" means a lot of different things to different companies. Get red right – or whichever colors you need to fine-tune without affecting the other colors in the picture using Pioneer's essential Color Detail Adjustment feature.
- A number of functions can be locked, making the display system more secure. Lock modes are on/off, main unit buttons, remote control, main unit buttons plus remote control, and memory lock, which selects input and volume default settings when the unit is turned on.
- Having a GUI display is a definite advantage, making operation considerably easier, but if it is too small to see when the unit is mounted, its usefulness is limited. However, the PDP-505CMX models provides an extra-large display, which is visible even when the unit is mounted in a high location.
- Peak Pattern Detection System also helps to prevent burn-in monitoring the prolonged display of still images and the concentration of brightness in any segment of the panel.
- The PDP-505CMXcan transmit various information to a PC via the RS-232C port using the Get Command, including power on/off, input number, signal detection and complete error data. This ensures that remote monitoring is worry-free.
- Smart cooling system with internal fans which are only activated when needed, keeping fan noise to a minimum and conserving power.

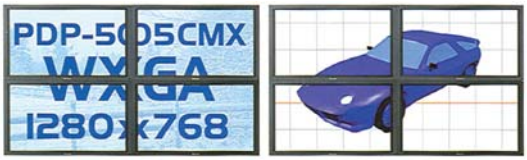
Three Dual Picture Modes

The PDP-505CMX offers a choice of three Dual Picture modes for simultaneous display of images for two connected sources. Split screen shows two images side by side, Picture-in Picture superimposes a small picture over a full-screen picture in any of the four corners, and Picture-Out-Picture displays the second image on the right side of the screen.

Enhanced Point Zoom and 2x2 Image Expansion



- The Enhanced Point Zoom function lets you instantly expand any portion of a PC image in three steps (1.5x, 2x, 3x), great for emphasizing key points in presentations. The Zoom Area sub-display area makes it easy to confirm the expanded portion.



- 2 x 2 Image Expansion mode allows a 2 x 2 data wall using four units without the need for an expansion device. Two display modes are available, one that will enlarge all picture elements so the entire picture is visible, and one that enlarges the whole image so lines between units are not visible.

Conveniences

- The PDP-505CMX consumes only 360-watts of power while producing bright images. This is extremely low for a 50" XGA-class plasma displays. Standby power is a mere 0.8W.
- In addition to the normal operating mode, the PDP-505CMX provides a choice of four energy save modes that further reduce power consumption. These modes are: Power Save, Intermediate, Linear Brightness which decreases the peak intensity of high brightness images, and Auto Brightness Control which automatically adjusts panel brightness depending upon room lighting.
- The PDP-505CMX employs powerful tools to manage burn-in. These include RGB separate full mask, side mask brightness adjustment, Orbiter mode for one-pixel-at-a-time movement of displayed images at fixed intervals, and Inverse mode that displays images as negative. Full mask and Inverse can be controlled by the on/off timer via the Screen Management functions.
- In order to minimize downtime, the PDP-505CMX displays comprehensive error information. Errors, their causes and part serial numbers are displayed and identified by symbols. In addition, various numbers are indicated by the two front LEDs, so even if the display malfunctions, the cause can be quickly identified and corrected.
- Pioneer's plasma displays are the industry's first to receive the Windows Hardware Qualification Labs (WHQL) certification of compliance. The PDP-505CMX continues this tradition by providing Plug & Play drivers to support Microsoft Windows and other operating systems. This is a display you can use with confidence.

PDP-505CMX

Expandable to Meet a Wide Variety of Present and Future Needs

The PDP-505CMX is designed to be ready for any type of application with the integration of two ES Card Slot interfaces, one for communication and one for enhanced data. It comes supplied with a removable communication card that includes RS-232C and combination I/O interfaces. The second slot may optionally be used to enable video capabilities through the input of a wide range of analog or digital signals, with additional control. This means that one PDP-505CMX can be used for multiple tasks, including various applications that other PDPs can't handle. You have extensive flexibility right out of the box, and it is also ready for additional needs that may arise in the future.

PDA-5003
BNC Connector Interface Card

The PDA-5003 gives the PDP-505CMX the ability to display compelling high-definition video through RGB/component, S-Video and composite input terminals. This card can use additional input jacks (INPUT 3, 4, 5) supporting S-Video, composite video and component video. It can also be connected to a wide variety of optional video equipment.

PDA-5003 BNC Connector Interface Card

PDA-5004 RCA Connector Interface Card

PDA-5004
RCA Connector Interface Card

The PDA-5004 gives the PDP-505CMX the ability to display compelling high-definition video through component, S-Video and composite input terminals. This interface card can use additional input jacks (INPUT 3, 4, 5) supporting S-Video, composite video and component video. It can also be connected to a wide variety of optional video equipment.

Pioneer Certified 3rd Party Expansion Solution Cards

Extron Electronics IP Link Interface Module *(IPL M PDP-ES)*
This compact ethernet control card enables IP-base remote control, proactive monitoring, and troubleshooting.

Magental Research Integrated Analog CAT-5 Receiver *(MultiView AK1000PDP)*
Enables high resolution video distribution over CAT-5/UTP. Signals can be transmitted over longer distances.

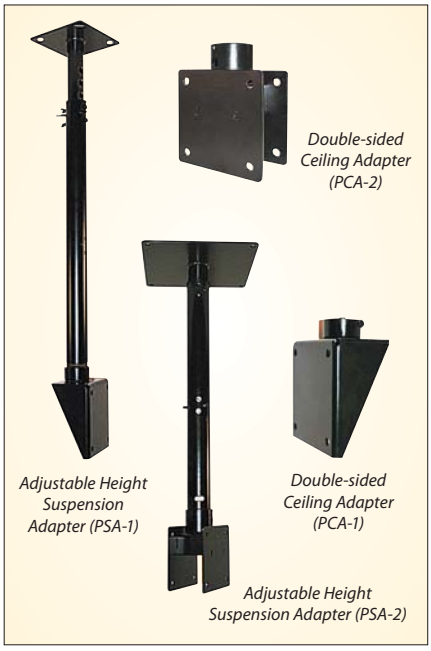
Alcorn McBride HDSDI Digital Video Interface *(PDP HDSDI)*
Connects the PDP directly to professional quality broadcast equipment or any other device with SMPTE-292M and SMPTE-259M input capability.

PDP-S05-LR
Optional Side-Mount Speakers

2-way speaker with a dome tweeter and a newly designed perpendicularly installed oval unit. These speakers are compact, yet deliver wide-range performance. Maximum output is 12-watts/8 Ohm. They weigh 4 lbs. each.

DK-TS01 Tabletop Stand

This tabletop stand is for desk or boardroom installations (for PDP-425CMX or PDP-505CMX)


Double-sided Ceiling Adapter (PCA-2)
Adjustable Height Suspension Adapter (PSA-1)
Double-sided Ceiling Adapter (PCA-1)
Adjustable Height Suspension Adapter (PSA-2)

Suspension and Ceiling Adapters

Adjustable Height Suspension Adapter (PSA-1)
Adjustable Height Suspension Adapter (PSA-2)
1½" NTP Single-sided Ceiling Adapter (PCA-1)
2" NTP Double-sided Ceiling Adapter (PCA-2)

Wall Mount Brackets

Tilt Wall Mount Bracket *(PIPWM503)* **449.95**
Flat Wall Mount Bracket *(PDWB-503)* ..... **CALL**

PDK-50HW3

Plasma Touch Screen Device

The ideal tool for effective presentations, kiosks, meetings and many other applications. Plasma display panels are a great way to present digital information, and now there's another powerful tool that makes them even more effective. Use the PDK-50HW3 device plus touch screen software to turn the Pioneer 50" PDP-505CMX professional plasma into a touch-screen monitor—just touch it to call up a wide variety of information, using a finger or the dedicated pen (included) to write or draw right over content shown on the screen. You can add comments, highlight information, cross out parts, make changes, and so on. The PDK-50HW3 features a quicker response, newly designed pen, USB 1.1 connection for communication and operating, easy single cable setup, and redesigned appearance.

No Calibration Required

The PDK-50HW3 is highly reliable and holds its own without calibration or drifting. The pen coordinates do not slip, even when moved or used for extended periods of time, making this device ideal for use as a permanent installation in shops, public facilities and other high traffic locations.

Easy Installation, Flexible Layout

Although a very sophisticated device, it is surprisingly easy to install. Installation area is equivalent to that of the PDP-505CMX. Plus it's lightweight—the total weight of the device with pen stand is only 15 lbs. Simply connect to the data source devices via the USB 1.1 cable. Mobile cart, wall-mount and ceiling-mount installations are also available

High-Speed Infrared Scanning System

Worried that using a touch screen device will interfere with clarity? Stop worrying and start presenting because the PDK-50HW3 doesn't cover the PDP surface. It features a high-speed infrared scanning system that doesn't interfere with bright, clear PDP images. PDP surface isn't covered, thus no luminance degradation, focus blurring parallaxing occurs. High-speed response function supports the needs of most handwriting input systems. Offers resolution above WXGA (1280 x 768).

Presentations/Meetings

Make presentations and meetings more interactive and effective by controlling your software applications with just a touch. When used with commercially available annotation and handwriting software, comments, arrows and circles can be used to emphasize important points as you speak. Jot down opinions and comments expressed during a meeting or teleconference just like using a whiteboard.

Promotions/Information Board

The touch panel device allows a Pioneer 50" professional plasma display to be utilized as an interactive information board. Set it up as an information kiosk, allowing users to access a wealth of content simply by touching the screen.

Microsoft Windows OS Driver Software

Microsoft Windows OS driver software enables optimal, high-speed management of scanned coordinate data and easy operation of various applications via pen or finger-based input using only a USB 1.1 connection. In addition to the recommended resolution of 1280 x 768, projection of resolutions from VGA to UXGA is also possible.

Dedicated Pen Included

Choose the marking option that is most comfortable for you. Finger-touch operation is an easy way to go; a dedicated pen is also provided to capture sudden flashes of inspiration naturally. It's intuitive so you can keep up with your thoughts. The pen incorporates a mouse button feature (left, right, middle), allowing it to be used for the operation of various PC applications.

MOUNTING OPTIONS

PDK-5011 Hang-on Wall Unit

PDK-5012 Ceiling Mount Kit

PDP-614MX

61-inch WXGA Professional Plasma Display

There are many plasma display choices for professional and public display applications, but the PDP-614MX is the best choice for three reasons: what you see, what you don't see and what's inside. What you see is an enormous 61˝ display with with image clarity that is exceptional and colors that are rich and natural. What you don't see are artifacts and distorted images. What's inside are advanced technologies that maintain this high image quality for extended monitor life and a wide range of of useful functions for outstanding control and convenience.

The PDP-614MX measures a full 61˝ for big ideas that need room to glow. PureVision™ technologies ensure the image you project comes to life with rich color and intense clarity. A wide range of useful functions enable outstanding control and convenience.

FEATURES

High Image Quality

- The PDP-614MX uses a precisely engineered CCF (Capsulated Color Filter) that decreases light reflection for better view ability and filters out unnecessary elements in the red, green, and blue light for true color reproduction. Skin tones, for example appear more natural because the filter is designed to reduce the orange tint present in the red color range. All images, even fast-moving ones, will be accurate, crisp and natural.
- Black Stripe inhibits the reflection of outer light and enhanced contrast to ensure that dark colors remain crisp and clear, even in bright settings.
- The PDP-614MX's Encased Cell Structure feature a larger phosphor surface area that prevents light leakage from neighboring cells. Luminous efficiency is higher, so the screen is brighter, and subtle details are enhanced.
- Colors are crucial to your business. "Red" can mean a lot of different things to different companies. Get red right—or whichever colors you need to fine-tune-without skewing the other colors in the picture—using the Color Detail Adjustment feature.
- Point Zoom function lets you expand any portion of a PC or video image from 1x to 9x in 64 steps.

Superior Image Processing Technology Quality

- From input to output, through all processing steps, the video signal remains in the digital domain. This ensures noise-free, no-loss processing of a variety of inputs from video to PC, allowing the highest possible signal quality.
- For precision, four gamma modes allows for a more accurate display of the tone gradations, even for images with low lighting.
- Scan converts input signals with high sampling accuracy so even minor details such as small letters are sharp and clear.

Video Wall Capability

Easy to configure multi-monitor video walls. Possible configurations are 2x2, 3x3, 4x4 and 5x5. Two display modes are available, one that enlarges all picture elements so the entire picture is visible and one that enlarges the whole image so lines between units are not visible. Other functions include Power On Delay to reduce initial power load, ABL Link for aligning monitor brightness in multi-monitor displays and Auto ID Setting.

Conveniences

- ABL (Auto Brightness Limiter) Lock provides three selectable modes to reduce power consumption when desired. Modes to manage image burn-in include Orbiter (moves image one pixel at a time), Inverse (displays image as negative), Full Mask (white) and others.
- Timer function features a convenient Weekly Timer and the following programmable functions: power on/off, input selection, activation of image burn-in management modes.

DVD-7400

Professional DVD/CD Player

A professional DVD/CD player, the DVD-V7400 is ideal for a variety of professional and industrial applications, including in-store sales promotions, education, corporate training, museums and exhibitions, video walls, trade shows and public presentations. Take a closer look and you'll be amazed at what this DVD-Video player can do for your business.

To ensure easy operation, all major functions can be accessed via wireless or optional wired remote. In addition, most user interface functions, such as on screen menu buttons, can be accessed via a standard PS/2 mouse which connects directly to the front panel of the player. For added convenience, it is compatible with with DVD Barcode and Laser Barcode control systems, as well as NTSC and PAL video standards

FEATURES

- Compatibility with both NTSC and PAL video standards. The following disc formats and disc media formats are supported:
  - Multiple Disc Formats: Video CD, CD-DA, DVD-Video, DVD Hybrid (DVD-Video segments)
  - Multiple Disc Media: CD-R, CD-RW, DVD-R
  - The player also adds component video and DTS audio stream outputs to the host of other hardware connections.
- Designed for the high level of durability that industrial applications demand. Equipped with a high-performance brushless spindle motor combined with a heat and dust resistant enclosure for use in tough environments.
- Hardware connections include component video output (BNC), two composite video outputs (BNC/RCA) and S-Video connector.
- Connect a standard PS/2 mouse directly to the front panel of the player, and users can perform a variety of operations including menu selections (during DVD video playback), player control and set up, similar to operating a computer with a mouse.
- The DB-15 computer connection provides additional signal lines that allow simple external switches to select DVD menu items or execute Barcode Stack/Command Stack functions. For example, with a simple contact closure switch, 70 separate commands including Play, Pause, etc., can be performed. Get sophisticated custom control from a simple and inexpensive user input device.
- RS-232C port enables connection to an external computer or custom controller. The player's mnemonic command protocol is backward compatible with Pioneer's other industrial LaserDisc and DVD-Video players. This compatibility makes it possible to use LaserDisc control programs with little revision and to control features unique to DVD, such as multi-angle and sub-picture.
- With DVD Barcode, video and audio playback control can be achieved by scanning printed barcodes with the optional barcode reader.
- The DVD-V7400 supports X-Y coordinate RS-232 commands that allow it to be directly connected to special touch screens (available through 3rd party developers). This feature makes the DVD-Video player with touch screen integration a reliable and cost-effective interactive display for use in museums, art galleries, shopping malls or hotels.
- Advanced frame search function offers the precision of random access, frame accurate search required in many industrial applications. Moreover, all frame search operations are completely seamless with the player's expanded video buffer.
- Barcode Stack/Command Stack function lets you save play lists into RAM (up to 300 command lines, organized in up to 150 groups) for automatic recall and display. Playback of single commands or stacks of several linked commands is possible. Users can input command sequences via remote control, barcode reader or RS-232c control.
- An external black burst sync signal can be applied and looped through the EXT SYNC IN/OUT terminals to enable clean switching with other video sources and frame synchronization when using multiple players.
- Weekly Timer function lets you simultaneously set the player's On/Off times and set particular video segments for playback on each day of the week. For added flexibility, the timer memory can accommodate up to 24 events per week. Users can distribute the commands throughout the week as required by their specific application.
- The player can immediately display the DVD disc's first-play menu upon powering up – ideal for exhibits, point-of-purchase & information, and retail display applications.
- It can track user selections and store the data in the player's non-volatile flash RAM. The data can then be retrieved to evaluate user selections and preferences. This feature is perfect for kiosk and point of purchase and information installations.
- For extra flexibility, users can operate the DVD-V7400 using the wireless remote control accessory or the optional wired remote control unit.
- The DVD-V7400 has a small foot-print and takes up little space on a desk, shelf or store counter. For multiple player installations, two players will fit side-by-side in a standard rack system. It weighs 10 lbs. and measures 8¾ x 4⅛ x 16⅜" (WHD).

LN-S SERIES

26-, 32-, 40- and 46" LCD Flat Panel TVs

Slim, light and beautiful, Samsung's LCD Flat Panel TVs combine sleek looks and high performance. Consisting of the LN-S2651D (26"), LN-S3251D (32"), LN-S4051D (40") and LN-S4692D (46"), these widescreen LCD HDTV sets let you display HDTV images from any high-definition source.

They feature 4000:1 dynamic contrast ratios and a fast response time (12ms) for superb picture playback and color vibrancy on a 16:9 screen. Even high-speed sports remain clear-cut, thanks to Samsung's ultra-fast switching technology.

Samsung's Patterned Vertical Alignment (PVA) screens provide high contrast and brightness for lifelike images with realistic colors and outstanding detail.

The LN-S Series of flat panel TVs offer a 170° viewing angle. They have hidden bottom speakers that produce deep, rich SRS TruSurround XT sound to deliver a superb audio-visual experience. They are versatile, as well, with two HDMI inputs that allow connectivity to a wide range of digital devices, including digital satellite/cable boxes, camcorders, HD-DVD up converters and more.

FEATURES

DNIe —Digital Natural Image Engine

Samsung's revolutionary DNIe technology offers digital perfection in naturally presented, crystal-clear images that uncover even the most minute detail.

- Motion Optimizer— Fast-moving images are optimized to produce more natural-looking motion, thus reducing video noise or blurring.
- Contrast Enhancer— Brightness and contrast levels are enhanced for deeper, richer blacks with greater detail and more natural whites.
- Color Optimizer— Colors are reproduced with a more lifelike realism, whites are more accurate, and skin tones are given a more natural hue.
- Detail Enhancer— DNIe analyzes video signal elements to produce sharper detail, clearer image separation, and more natural edge transition.
- My Color Control— Samsung's patented "My Color Control" technology lets you control specific colors without affecting the whole screen. Samsung provides six-color control selections: white, red, pink, yellow, green and blue. It's your picture - you decide.

Advanced Picture Quality

- Dynamic Contrast 4000:1— Samsung's PVA screen enables brighter whites, deeper blacks and every shade in between. Its higher contrast ratio provides an abundant palette of perfect colors.
- Samsung's 10-bit processing method produces billions of lifelike colors to ensure a more natural and vivid picture and aids in video signal processing of analog sources.
- To the left, to the right, even upside-down, Samsung's 178° vertical and horizontal wide-viewing screen solution ensures easy viewing from any angle.
- Progressive scan virtually eliminates the flicker that you see on traditional, interlaced scanning TVs. The LN-R series display progressive scan signals with ease from DVD players and HDTV decoders.
- High resolution 1366 x 768 pixel density with built-in image scaler to handle inputs from a variety of digital and analog audio/video sources.
- 3D Y/C digital comb filter constantly analyzes the 3 dimensions of picture height, picture width, and picture changes over-time, to dramatically reduce edge image artifacts while improving transition detail.

LN-S SERIES

Easy Connections

- HDMI connection allows for the transmission of both video and audio digital signals through a single connection for higher quality and fewer wires.
- Connect DVD/DTV sources with two smart component video inputs that accept 480p/720p/1080i signals. They can also function as PC monitors.

Surround Sound

- High-quality surround sound can be experienced with just the speakers built into the TV. SRS TruSurround XT technology delivers an amazing, simulated 3-D effect with clear dialog and powerful bass.
- The interior hidden speaker system with DACS (Dual Acoustic Chamber System) simulates dual separate chambers for each speaker to maximize low-range-sound performance and enhance sound clarity.
- Auto volume leveler keeps audio volume consistent during channel changing.

Conveniences

- Samsung's LCD panels have up to 60,000 hours of lamp life.
- Built-in brightness sensor automatically detects the ambient light and adjusts the TV's luminance accordingly.
- Picture-in-picture (PIP) enables convenient simultaneous viewing of TV programs and video or PC sources.
- Swivel stand (on 40-and 46" models) provides a ±15° swivel. This convenient feature makes it easy to move the screen without lifting or moving the television.
- All except the LN-S2651 offer side A/V ports to provide easy connections so you can connect a camcorder, digital camera, or any other digital device with no hassles.
- Removable stand and VESA compatible hole mounts let you install them on a wall. Easily remove the stand and use a VESA compatible wall mount to safely and stylishly attach them to the wall.
- Stylish design creates a look for any room. Piano black finish and rounded corners give these TV unmatched style.
- Multi-lingual on-screen displays in English, Spanish or French.
- Clock on/off timer as well as variable sleep timer to turn the TV off in varying time intervals.

	LN-S2651D	LN-S3251D	LN-S4051D	LN-S4692D
Panel:	Wide (16:9) LCD	Wide (16:9) LCD	Wide (16:9) LCD	Wide (16:9) LCD
Pixel Resolution (HV)	1366 x 768	1366 x 768	1366 x 768	1366 x 768
Dynamic Contrast Ratio	4000:1	4000:1	4000:1	5000:1
Viewing Angle	170°(H) / 170°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)	178°(H) / 178°(V)
Channel coverage	VHF 2-13, UHF 14-69, UHF 14-69, CATV 1-125 (up to 18 pre-selected channels)	VHF 2-13, UHF 14-69, UHF 14-69, CATV 1-125 (up to 18 pre-selected channels)	VHF 2-13, UHF 14-69, UHF 14-69, CATV 1-125 (up to 18 pre-selected channels)	VHF 2-13, UHF 14-69, UHF 14- 69, CATV 1-125 (up to 18 pre-selected channels)
75-ohm Antenna	CATV/VHF/UHF	CATV/VHF/UHF	CATV/VHF/UHF	CATV/VHF/UHF
VESA compatible	100 x 200	200 x 200	200 x 200	600 x 400
Response time	8ms	8ms	8ms	8ms
	AUDIO			
Speaker System	"Hidden" bottom speakers with D.A.C.S. (Dual Acoustic Chamber System)	"Hidden" bottom speakers with D.A.C.S. (Dual Acoustic Chamber System)	"Hidden" bottom speakers with D.A.C.S. (Dual Acoustic Chamber System)	"Hidden" bottom speakers with D.A.C.S. (Dual Acoustic Chamber System)
Watts per channel	5w x2	10w x2	10w x2	10w x2
SRS TruSurround XT	✓	✓	✓	✓
	CONNECTIONS			
HDMI	2	2	2	2
R/F input	2 (air/cable)	2 (air/cable)	2 (air/cable)	2 (air/cable)
Component Video Input (Y,Pb,Pr) (480i/480p/720p/1080i)	1	1	1	2
S-Video input	1	1	2	2
Composite video input	1	1	2	2
PC (RGB) input	1	1	1	1
Sound monitor out	1	1	1	1
Optical sound out	1	1	1	1
Stereo headphone jack	1	1	1	1
RS232C	1	1	1	1
	NET DIMENSIONS AND WEIGHT (WxHxD)			
Monitor without stand	26.6 x 18.7 x 3"	31.5 x 21.6 x 3.1"	39 x 25.9 x 3.4"	44.3 x 29.6 x 5.5"
Monitor with stand	26.6 x 20.9 x 8.5"	31.5 x 23.7 x 9.9"	39 x 28.1 x 12.8"	44.3 x 32.2 x 14.2"
Weight	22.3 lbs.	32.6 lbs.	50.3 lbs.	81.6 lbs.
	SHIPPING DIMENSIONS			
Dimensions:	30.5 x 25.6 x 8"	36.0 x 29.3 x 8.3"	43.7 x 32.5 x 16.1"	49.2 x 38.2 x 17.7"
Weight	30 lbs.	44.1 lbs.	66.6 lbs.	103.6 lbs.
Warranty	1 year parts and labor	1 year parts and labor	1 year parts and labor	1 year parts and labor

HPS-4253 • HPS-5053

42- and 50" Widescreen HD Plasma TVs

Samsung's 5th generation plasma panels combine with a proprietary electronic chassis design, and incorporate the latest DNIe picture enhancement circuitry to deliver outstanding brightness, contrast and overall picture clarity. Samsung's high-quality smoothing technology delivers a more pleasurable viewing experience —even at a 175° angle.

Everything you'll need in an HD (High Definition) plasma flat panel TV is here - 10,000:1 contrast ratio, 13-bit processing, and 60,000-hour panel life. Two HDMI connections and additional video inputs allow full digital A/V playback; hidden speakers incorporate SRS Tru Surround XT technology to maximize the audio effect.

All this performance and convenience in a package that is less than 4" deep.

FEATURES

Video

- To reproduce natural images, they incorporate 13-bit processing to produce over 549 billion colors and over 64,000 shades of gray. From the faint sunlight of dawn to the extreme spotlights of a fashion show, they provide vivid, life-like images that literally rival reality.
- Two of the most important factors in overall picture quality, the contrast ratio (10,000:1) and brightness levels (1300 cd/m2) achieve new heights in these latest plasma panels.
- 1024 x 768 (HP-S4253) and 1366 x 768 (HP-S5053 pixel resolution presents video & text with outstanding clarity and resolution.

DNIe —Digital Natural Image Engine

Samsung's exclusive DNIe technology dramatically improves the picture by enhancing contrast, detail, white balance and reducing noise. It offers digital perfection in naturally presented, crystal-clear images that uncover even the most minute detail.

Motion Optimizer: Fast-moving images are optimized to produce more natural-looking motion, thus reducing video noise or blurring.

Contrast Enhancer: Brightness and contrast levels are enhanced for deeper, richer blacks with greater detail and more natural whites.

Color Optimizer: Colors are reproduced with a more lifelike realism, whites are more accurate, and skin tones are given a more natural hue.

Detail Enhancer: DNIe analyzes video signal elements to produce sharper detail, clearer image separation, and more natural edge transition.

My Color Control: Allows you to adjust the individual colors of your set without distorting other colors. The range of color adjustment includes Red, Green, Blue, Yellow, Red and White. This ensures true to life colors such as green grass, blue sky and realistic skin tones. White Tone Enhancement also ensures the purest, brightest whites possible. DNIe with "My Color Control" gives A/V presenters a powerful tool for customizing their picture.

High Performance

- Built-in HDTV tuner (ATSC/NTSC) with split screen & PIP (small, large, double). Built-in analog tuner allows you to connect an analog RF signal cable directly to the set and watch "regular" TV right out of the box.
- Color Tone modes include: Normal, Cool1, Cool2, Warm1, Warm2
- Picture modes include: Standard, Dynamic, Custom and Movie
- 16:9 widescreen lets you fill you screen with DVD and HDTV images. On-board aspect ratio controls also handles analog 4:3 sources in standard, wide screen, panorama and zoom modes.
- 3D Y/C Digital Comb Filter constantly analyzes the three dimensions of picture height, picture width, and picture changes over-time, to dramatically reduce edge image artifacts while improving transition detail.
- With 60,000 hour panel life, Samsung's 5th generation panels are made to last longer, so you can be confident that the high picture quality will endure.
- Burn-in resistant panel with:
  - — Auto pixel shift (user programmable)
  - — Signal pattern processing function
  - — White screen processing function

HPS-4253 • HPS-5053

Audio

- SRS TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through the two speaker internal playback system.
- They incorporate integrated speakers for ease of use and beautiful design. Home theater enthusiasts can use an An external audio system can also be used if desired, for full multi-channel audio effect.
- Powerful built-in amplifier to drive the integrated stereo speakers.
- Sound modes include: Standard, Custom, Music, Movie and Speech
- Closed Caption displays dialog that can be read along with encoded broadcast TV programs and pre-recorded videos.

Connections

Rear A/V Connections:

— 2 HDMI – High Definition Multimedia Interface
— 2 component video inputs (Y,Pb,Pr)
— S-Video and composite video input
— PC (RGB) input

Side A/V Connections:

— S-Video and composite video input
— Headphone jack

Conveniences

- Fanless cooling for low noise operation
- FilterBright anti-glare filter
- Power save feature
- Trilingual on-screen displays
- HDMI interface allows for the transmission of both video and audio digital signals through a single connection for higher quality and fewer wires.
- Control all your Samsung A/V components through a single TV remote with Samsung's Anynet. A network control solution for operating Samsung devices, Anynet allows you to control key functions of the A/V devices connected to your TV via on screen menu. Many Samsung components now feature Anynet.

HPS-4253

Monitor with speakers: 41.5" x 28.1" x 3.8"
With speakers and stand: 41.5" x 30.1" x 13.4"
Monitor weighs 88.2 lbs.

HPS-5053

Monitor with speakers: 48.3" x 31.6" x 3.8"
With speakers and stand: 48.3" x 33.3" x 13.4"
Monitor weighs 108 lbs.

PPM42M5H • PPM42M5H • PPM50M5H

42- and 50" Plasma Displays for PRO A/V and Commercial Applications

Samsung's professional plasma monitors are ideal or digital signage, financial, multimedia presentation and professional audio and video applications. They offer high brightness of 1,100 cd/m2, and a super-high 10,000:1 contrast ratio for whiter whites, blacker blacks and greater shadow detail. In order to achieve the super-high contrast ratio, Samsung has developed an exclusive octal plasma pixel structure that increases the electrical separation between the pixels. This reduces the tendency for one pixel to influence the adjacent pixel, which increases the contrast. Samsung has also chosen a high-Xenon gas, which is up to 50% more efficient in generating brightness.

- The 42" PPM42M5H features 1024 x 768 resolution and is true high-definition by matching the 720p HDTV format without the need for processing. The more economical 42" standard-definition PPM42M5S incorporates a 852 x 480 resolution. The 50" PPM50M5H is ideal for use in presentation and digital signage applications and sports a 1366 x 768 resolution.
- They offer a host of advanced features to ensure outstanding image quality and performance. All models include:

– Picture-in-Picture and Picture-by-Picture functionality that is ideal for videoconferencing and a built-in processor for "tiling" displays in a 2x2, 3x3, 4x4, 1x5 and 5x1 configuration, making them perfect for video wall applications.
– They can be mounted either horizontally or vertically.
– For an array of display options, they feature variable aspect ratios with six separate modes including 16:9 and 4:3, and a 10x digital zoom and pan control.

- Advanced anti-burn technologies include Auto Pixel Shift that keeps the images moving imperceptibly and Samsung's Always White technology combines with its Signal Pattern Process to eliminate electrically charged residual images.
- They feature an array of signal inputs for direct hook up to nearly any video source. Each includes inputs for composite and S-Video, component video that offers 480i/p, 720p and 1080i viewing, DVI for digital video sources and an RGB input for use with a PC.
- Additional features include multi-standard (PAL, SECAM, NTSC 3.58, NTSC 4.43), 3D comb filter, selectable color temperature, selectable picture mode, Multiple Display Control (RS232C), display power management signaling, digital NR, progressive scan, variable aspect ratio, clock and clock phase adjustment, on/off timer, digital zoom and picture freeze.

AQUOS LCD TVs

AQUOS LCD TVs capture attention with incredible image quality, uniquely sculpted style and contemporary design. AQUOS not only changes the way you'll look at television, but also the way television looks. These award-winning TVs offer an elegant alternative to traditional CRTs, and make dramatic statements about your lifestyle. Whichever model you choose, AQUOS TVs redefine what's possible in home entertainment.

A WHOLE NEW PERSPECTIVE ON TELEVISION

From the sleek contemporary design, to the startling clarity of the LCD panel, AQUOS will enhance every aspect of your television experience. 13", 15" and 20" sizes allow you to bring amazing television into every corner of your home. Plus all AQUOS offer component video, S-Video, composite video and RF inputs. And that's just the beginning.

LONG-LIFE BACKLIGHT SYSTEM

A redesigned backlight system minimizes light loss, providing a long lamp life of about 60,000 hours (when used continuously in a room at 25°C and in standard lighting conditions and brightness). AQUOS Liquid Crystal Televisions also feature an Auto-Save function that automatically adjusts the brightness of the backlight to match ambient light conditions, contributing to further energy savings.

EARTH-FRIENDLY DESIGN

Thanks to their compact size, AQUOS TVs require fewer parts and less packaging than conventional CRT televisions. The main unit employs non-halogen materials and lead-free solder, while the base stand is made of 30% recycled materials. The entire unit disassembles easily and uses unified grades of non-combustible materials for easier recycling. Sharp has eliminated the use of polystyrene packaging and molded parts that contain vinyl chloride, further reducing the burden on the environment.

LOW POWER CONSUMPTION

AQUOS TVs consume 30 to 50% less than comparably sized CRT televisions, which not only makes them more economical, but also contributes to the reduction of global CO_2 emissions.

DV20U Series

20-and 26" 16:9 LCD TV/DVD Combo's

Slim and versatile space-saving solutions, the DV20U series are widescreen LCD TV/DVD combination units that combine Sharp's superior LCD TV performance with the rich, true-to-life color output of a progressive-scan DVD player. They feature built-in NTSC/ATSC/QAM tuners, HDMI and an HD component input for simple, versatile set-up and high-definition compatibility when connected to a separate set-top box. With true 16:9 (1366 x 768) resolution, the DV20U series is capable of displaying 1080i and 720p high-definition signals.

Both models feature a high contrast ratio (800:1) for rich black tones and crisp images. These units feature 170° viewing angles so they can be viewed clearly from almost anywhere in a room, and high brightness levels for clear, vibrant pictures and true-to-life color clarity in any lighting conditions. Because of Sharp's proprietary Advanced Super View (ASV) panel with "Black TFT" low-reflection coating, the units can be placed near doors, windows or other light sources and still display a clear, vivid picture.

- True 16:9 aspect ratio (1366 x 768) LCD panel displays widescreen programs without the need for scaling or other video processing.
- 170º/170º viewing angles let you view the TVs from almost anywhere in the room!
- Built-in side-loading progressive scan DVD player is the ultimate in convenience!
- With high brightness of 450 cd/m2 you can put them anywhere – even near windows, doors or other light sources – and their picture is still vivid.
- Built-in NTSC tuner (LC-20DV20U) and, ATSC/QAM/NTSC tuners for DTV and analog TV viewing (LC-26DV20U).
- HDMI input for convenient connection to digital devices.
- 800:1 contrast ratio provides incredible images whether you're watching dark or bright scenes
- 8ms response time ensures you enjoy all fast motion video without blurring or delay.

LC-15S5U • LC-20S5U

15- and 20" AQUOS 4:3 Enhanced Definition LCD TVs

Available in 15- and 20" screen sizes, the S5U Series offers exceptional picture clarity and brightness in a sleek body, bringing superior LCD performance to any room in the house.

The LC-15S5U (15") and LC-20S5U (20") have fixed bottom speakers and a silver finish with black side trim, making them ideal for a variety of rooms. They feature a Black TFT/Advanced Super View VGA (640 x 480) panel that brings movies and television broadcasts to life, and 480p compatibility for viewing progressive DVDs in true-to-life color and clarity. The S5U series includes Optical Picture Control (OPC) for automatic brightness adjustment to accommodate a room's lighting conditions. Both feature NTSC, PAL and SECAM video playback capability, HD compatible input and a high brightness level of 430 cd/m2 (15") and 450 cd/m2 (20"), so the picture can be seen clearly in any lighting environment.

FEATURES

- They provide a unique, versatile solution for home installation. Their stylish yet simple design, with speakers placed below the LCD screen, makes them much narrower than side-speaker models. This enables them to fit into many places throughout the home, all without sacrificing any features.
- They incorporate Sharp's proprietary ASV (Advanced Super View) LCD Panel with Black TFT low reflection coating to effectively reduce screen glare caused by indoor lights and sunlight.
- Built-in 181-channel tuner allows you to plug your cable TV line right into the TV and start watching.
- They are very bright, so you can put them anywhere — even near windows, doors or other light sources — and their picture will still be vivid.
- 480p (EDTV Monitor) compatibility enables compatibility with progressive DVD players.
- 500:1 contrast ratio provides incredible images whether you're watching dark or bright scenes!
- 170°/170° viewing angles are so wide that you can view the TVs from almost anywhere in the room!
- They include an easel-style table stand that allows the TVs to occupy an amazingly small footprint. In addition, the stand is easily removed for wall mounting applications (VESA 100mm standard mounting pattern and are compatible with a wide range of brackets.
- Sharp's LCD backlight life is long enough (60,000-hour lamp life) to give you viewing pleasure for many years.

	LC-20DV20U	LC-26DV20U	LC-15S5U	LC-20S5U
B&H Number	*SHLC20DV20U*	*SHLC26DV20U*	*SHLC15S5U*	*SHLC20S5U*
Screen	20" ASV Black TFT LCD panel	26" ASV Black TFT LCD panel	15" ASV Black TFT LCD panel	20" ASV Black TFT LCD panel
Number of Pixels	1366 x 768	1366 x 768	640 x 480	640 x 480
Audio System	5W + 5W	5W + 5W	2.1W + 2.1W	2.1W + 2.1W
Contrast Ratio	800:1	550:1	500:1	500:1
HDMI In	HDMI x 1	HDMI x 1	—	—
HD Component Input	Y/Pr/Pb x 1	Y/PB/PR x 1	Y/PB/PR x 1	Y/PB/PR x 1
S-Video Input	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1
Composite Video Input	RCA x 2	RCA x 2	RCA x 2	RCA x 2
Audio In	RCA L/R x 4	RCA L/R x 4	RCA L/R x 3	RCA L/R x 3
RF In	Yes x 1	Yes x 1	Yes x 1	Yes x 1
Composite Out	RCA Video Out x 1	RCA Video Out x 1	RCA Video Out x 1	RCA Video Out x 1
Audio Out	RCA L/R x 1, Digital Audio Output x 1		RCA L/R x 1	RCA L/R x 1
Cabinet Color	Silver	Silver	Silver with black sides	Silver with black sides
Dimensions* (WHD)	21.8 x 17.6 x 8.7"	26.9 x 22.3 x 10.3"	14.6 x 15.2 x 7.4"	19 x 18.7 x 9.5"
Weight*	19.8 lbs.	35.2 lbs.	10.6 lbs.	15.9 lbs.

** with stand and speakers*

SH20U SERIES

20-, 26- 32 -37- and 42" 16:9 LCD HDTVs

Available in 20-, 26-, 32- and 37" screen sizes, the SH20U series provides a slim, versatile high-definition television solution with a distinctive design. They all feature a high-performance LCD panel for high brightness, a high contrast ratio, low-reflection glare protection and wide viewing angles, as well as Sharp's Emmy Award-winning LCD technology.
They feature true 16:9 resolution of 1366 x 768, built-in ATSC/QAM/NTSC tuners (except the 20" model) and HDMI and HD component terminals for the remarkable experience of HDTV programming combined with simple and versatile connectivity options. They feature a high contrast ratio of 800:1 for rich black tones and crisp on-screen images, and a pixel response time of less than 12ms for excellent picture quality even on fast-moving action scenes. They offer a wide viewing angle (170°) so they can be viewed clearly from almost anywhere in a room, and high brightness levels for clear, vibrant pictures and true-to-life color clarity in any lighting conditions. The 20" LC-20SH20U has all of the features of the SH20U Series except it is also PC compatible and is only an HDTV monitor (no built-in tuner.) It is compatible with all HDTV signals (480p, 720p an 1080i) but requires a separate decoder.

FEATURES

- True 16:9 Aspect Ratio (1366 x 768) LCD Panel displays 16:9 widescreen programs in their native aspect ratio without the need for scaling or other video processing.
- Built-in ATSC / QAM / NTSC Tuners for DTV and analog TV viewing (LC-20SH20U includes only NTSC tuner).
- High Brightness (450 cd/m2) Sharp Liquid Crystal Televisions are very bright, so you can put them anywhere – even near windows, doors or other light sources – and their picture is still vivid.
- HDMI Input for convenient connection to digital devices.
- 170°H x 170°V Viewing Angles are so wide you can view Sharp Liquid Crystal Televisions from anywhere in the room!
- 800:1 Contrast Ratio provides incredible images whether you're watching dark or bright scenes!
- 12ms response time ensures you enjoy all fast motion video without blurring or delay.
- Sharp's 60,000-hour LCD backlight lamp life will give you viewing pleasure for many years.

	LC-20SH20U	LC-26SH20U	LC-32SH20U	LC-37SH20U	LC-42SH20U
B&H Number	SHLC20SH20U	SHLC26SH20U	SHLC32SH20U	SHLC37SH20U	SHLC42SH20U
Screen	13" Active Matrix	15" Active Matrix	20" Active Matrix	15" Active Matrix	20" Active Matrix
Pixel Resolution	VGA (640 x RGB x 480)	VGA (640 x RGB x 480)	XGA (H1024 x RGB x V 768)	VGA (H640 x RGB x V480)	640 x 480 x R/G/B=VGA
Video Systems	NTSC, PAL, PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL SECAM
Audio System	2.1W + 2.1W	2.1W + 2.1W	2.1W + 2.1W	2.1W + 2.1W	2.1W + 2.1W
Contrast Ratio	500:1	500:1	500:1	500:1	500:1
HD Component Input	Y/PB/PR x 1	Y/PB/PR x 1	Y/PB/PR x 2	Y/PB/PR x 1	Y/Pr/Pb x 1
S-Video Input	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1
Composite Video Input	RCA x 2	RCA x 2	RCA x 2	RCA x 2	RCA x 2
Cabinet Color	Silver top and bottom. Black side speakers.	Silver top and bottom. Black side speakers.	Silver top and bottom. Black side speakers.	Silver	Silver
Power Consumption AC	47W	54W	81W	36W	73W
Dimensions with Stand	71 5/64 x 13 x 8 13/16" (WHD)	19 5/64 x 14 3/16 x 8 13/16" (WHD)	25 1/8 x 17 29/64 x 9 17/32" (WHD)	14 19/64 x 14 7/8 x 7/8" (WHD)	19 1/32 x 18 25/32 x 8 53/64" (WHD)
Weight with stand	9.5 lbs.	10.6 lbs.	19.4 lbs.	9.5 lbs.	15.2 lbs.

D40U SERIES

AQUOS 26- 32 -and 37" 16:9 Widescreen HDTVs

Sharp's unrivaled selection of screen sizes, unique designs and sophisticated cabinet finishes now includes the AQUOS D40U series. Available in 26-, 32-,37-, and 45", this competitively-priced line of widescreen HDTVs delivers crisp on-screen images and the most vibrant colors possible, as well as increased viewing angles, for a stellar picture from almost anywhere in a room.
The D40U series includes an enhanced version of the ASV (Advanced Super View) LCD panel, which provides an incredibly sharp contrast ratio of 1200:1, and an enhanced pixel response time of less than 6ms to further improve the picture quality on fast-moving action scenes. With multi-pixel technology enabling wider viewing angles than previous models (176°), the television can be viewed from almost anywhere in the room. And with 1366 x 768 resolution for a true 16:9 aspect ratio, built-in ATSC/QAM/NTSC tuners and dual HDMI and HD component terminals, the D40U series delivers a stunning experience of HDTV programming combined with incredible connectivity options for simple, versatile set-up. All feature high brightness (450 cd/m2) and Black TFT low-reflection coating, so they can be placed near bright light sources or windows without compromising picture quality. Available in an elegant piano black finish with fixed bottom-mounted speakers and an included table stand, for flexibility in room placement.

FEATURES

- 1366 x 768p panel displays HDTV program images in 720p and is compatible with off-air, cable and satellite HDTV broadcasts.
- Black TFT LCD panels deliver contrast ratios up to 1200:1 and produce whiter whites and blacker blacks than ever before achieved in LCD television.
- With high brightness of 450 cd/m2 you can put them anywhere – even near windows, doors or other light sources – and their picture is still vivid.
- Proprietary Low-Reflection Coating allows Sharp LCD TVs to effectively reduce reflection of sunlight and interior lighting to provide vivid large-screen pictures wherever you install your LCD television.
- 170°/170° viewing angles let yo view the TVs from almost anywhere in the room!
- Fast 6ms response results in smoother, more lifelike moving images, even in fast-motion scenes.
- Built-in speakers for added convenience.
- Quick Shoot Sharp's proprietary fast response time video circuit, for response time of 6ms, resulting in smoother, more lifelike moving images, even in fast-motion scenes.
- Built-in speakers and Table Stand are the ultimate in convenience.

	LC-26D40U	LC-32D40U	LC-37D40U
B&H Number	SHLC26D40U	SHLC32D40U	SHLC37D40U
Screen	26" Active Matrix Advanced Super View LCD	32" Active Matrix Advanced Super View LCD	37" Active Matrix Advanced Super View LCD
Pixel Resolution	HDTV 1366 x 768	HDTV 1366 x 768	HDTV 1366 x 768
Video Systems	8VSB (ATSC), QAM, NTSC	8VSB (ATSC), QAM, NTSC	8VSB (ATSC), QAM, NTSC
Audio System	10W + 10W	10W + 10W	10W + 10W
Contrast Ratio	1200:1	1200:1	1200:1
HD Component Input	Y/PB/PR x 2, HDMI x2	Y/PB/PR x 2, HDMI x2	Y/PB/PR x 2, HDMI x2
S-Video Input	4-pin DIN x 2	4-pin DIN x 2	4-pin DIN x 2
Composite Video Input	RCA x 2	RCA x 2	RCA x 2
Cabinet Color	Piano Black with bottom speakers	Piano Black with bottom speakers	Piano Black with bottom speakers
Power Consumption AC	145W	170W	186W
Dimensions with Stand	26⅞ x 21 1/16 x 10 49/64" (WHD)	32 5/16 x 25 1/32 x 10 49/64" (WHD)	37 1/4 x 26 3/64 x 12 1/64" (WHD)
Weight with stand	35.3 lbs.	43 lbs.	53.8 lbs.

BRAVIA S SERIES

16:9 HDTV LCD Televisions

Sleek and stylish LCD TVs, Sony's high-performance Bravia S Series include the KDL-26S2000 (26"), KDL-32S2000 (32"), KDL-40S2000 (40"), and the KDL-46S2000 (46"). Each has an integrated ATSC digital tuner and each features 1366 x 768 screen resolution, 1000:1 contrast ratio, a 3D Y/C comb filter and ample inputs including HDMI, component, two composite and a PC input. They also incorporate Sony's new 1-chip digital video processor that reduces "block noise" around letters, such as on-screen graphics and subtitles and enhances contrast, producing crisp and vivid images. The chip also automatically adjusts greens and blues for truer and brighter colors.
They feature the latest in Sony's unique S-PVA technology, which delivers vivid and accurate colors along with wide 178° viewing angles and a blazing 8ms response time. Other features such as PC input allow users to connect a PC for viewing content in a 16:9 high resolution environment. And with integrated HDTV capabilities, you can enjoy digital programming with enhanced audio and video reproduction. Space-saving bottom speaker design (two 10-watt speakers with SRS Tru Surround XT), a simple remote with direct input keys, and VESA compliant mounting holes round out the S-series package. Providing exceptional value and performance, the KLV-32U100M (32") and KLV-40U100M (40") HD monitors are identical to the S Series except they don't have a tuner. They are designed to receive HD and standard TV signals via set top boxes (cable or satellite).

FEATURES

At the forefront of technological advancement in every generation of television for the past 40 years, Sony's newest brand, BRAVIA, introduces the next generation of LCD TVs. An acronym for "Best Resolution Audio Video Integrated Architecture", BRAVIA brings three key advances to LCD televisions: larger color gamut, higher refresh rates, and televisions that automatically adjust to ambient light conditions.

Their Super-Patterned Vertical Alignment (S-PVA) panels divide pixels into more segments than was possible with PVA (Pattered Vertically Aligned) technology. These segments have an incredibly fast 8-millisecond response time that increases the television's refresh rate. Dividing the pixel display into more segments also allows a cleaner break between dark and light pixels, improving viewing angles, color, and contrast. The accompanying diagram demonstrates how, by increasing in the number of segments per sub-pixel from one to two, and increasing speed of refresh rate accordingly, picture quality can be achieved that can entirely eliminate flicker and bring the viewing experience to a whole new level.

Sony brings decades of television expertise and experience to LCD with a revolutionary backlight — WCG-CCFL (Wide Color Gamut-Cold Cathode Fluorescent Light) Displaying a color gamut almost 30% larger than a conventional CCFL display, the larger color gamut allows BRAVIA televisions to reproduce more faithfully the colors of real life using new spectrum phosphors to achieve deeper reds, more vivid greens, and cleaner blues. BRAVIA TVs using WCG-CCFL in concert with HDTV standards display an image that is far closer to what your eye would normally expect to see. Images are reproduced with enhanced vibrancy and intensity resulting in an even greater sense of realism.

BRAVIA televisions even feature LCD panels that automatically adjust to ambient light to ensure the optimal image the entire time you're watching. Within every BRAVIA S Series LCD television is an intelligent light sensor that adjusts the screen brightness to match the ambient light in a room. The benefit to you is that the sensor makes your viewing experience more comfortable. In a dim room, for example, the screen automatically reduces brightness. This "intelligent" adjustment results in a more satisfying television viewing experience.

BRAVIA S SERIES

- Integrated HDTV lets you watch digital television programs and enjoy the audio/video quality offered by these programs.
- Component video input offers the best video quality for DVD (480p and 480i), and digital set-top box (1080i, 720p, 480p and 480i) connections.
- HDMI Interface (High-Definition Multimedia Interface) provides an uncompressed, all-digital A/V interface between the TV and any HDMI-equipped A/V component, like set-top box, DVD player and A/V receiver. HDMI supports enhanced, or high-definition video, plus multi-channel digital audio.
- WEGA GATE Easy Operation Guide allows you to easily navigate to the most convenient TV functions: favorite channels, TV channel list, external input list or settings.
- CineMotion technology using the reverse 3-2 pull down technology, the Cinemotion feature provides smoother picture movement when playing back movies or other video sources on film.
- VESA compliant mounting holes
- Freeze function allows you to freeze one screen while the other screen continues showing the program.
- PC Input allows you to connect your PC and display the PC screen on your TV.
- ATSC Integrated Tuner allows the reception of local, off-air digital broadcasts providing the viewing of free, true high-definition network programming without the addition of a set top box or a monthly fee.
- Wide Screen Mode allows you to watch 4:3 normal broadcasts in wide screen mode (16:9 aspect ratio).
- Light Sensor allows the picture brightness level to be optimized to ambient light. The effect from the Light Sensor depends on the setting of Picture Mode and Power Saving. The factory setting is Off.
- SRS TruSurround XT audio enhancement delivers a full and immersive Virtual Surround Sound experience from any two-speaker system playback system using any multi-channel audio source.
- Bottom speaker design saves space and delivers dynamic sound.
- Caption Vision/Info Banner allows Closed Caption and/or Channel Programming Information to be displayed.

	KDL-26S2000	KDL-32S2000	KDL-40S2000	KDL-46S2000
Display Resolution	1366 x 768	1366 x 768	1366 x 768	1366 x 768
Screen Size (Diagonal)	16″	32″	40″	46″
Display Panel Technology	S-PVA LCD	S-PVA LCD	S-PVA LCD	S-PVA LCD
HDMI Connection:	1 Rear (with L/R RCA audio	1 Rear (with L/R RCA audio	1 Rear (with L/R RCA audio	1 Rear (with L/R RCA audio
PC Input	1 Rear with D-sub 15 and L/R stereo mini plug connections			
Component Video Inputs	2 Rear	2 Rear	2 Rear	2 Rear
S-Video Inputs	2 (1 side/1 rear) Rear with Auto S Video Input Detection			
Composite Video Inputs	3 (1 side/2 rear)	3 (1 side/2 rear)	3 (1 side/2 rear)	3 (1 side/2 rear)
RF Connection Input	1 Rear	1 Rear	1 Rear	1 Rear
Audio In	5 (1 side/4 rear)	5 (1 side/4 rear)	5 (1 side/4 rear)	5 (1 side/4 rear)
Audio Out (Variable/Fixed)	1 Rear	1 Rear	1 Rear	1 Rear
Digital Audio Output(s)	1 Rear	1 Rear	1 Rear	1 Rear
Headphone Output(s)	1 Side	1 Side	1 Side	1 Side
Viewing Angle (L/R x U/D)	178° x 178°	178° x 178°	178° x 178°	178° x 178°
Aspect Ratio	16:9	16:9	16:9	16:9
Contrast Ratio	1300:1	1300:1	1300:1	1300:1
Panel Response Time	8 ms (gray to gray)	8 ms (gray to gray)	8 ms (gray to gray)	8 ms (gray to gray)
Tuner	ATSC Digital Tuner	ATSC Digital Tuner	ATSC Digital Tuner	ATSC Digital Tuner
Comb Filter	3D digital	3D digital	3D digital	3D digital
Picture Modes	Vivid/Standard/Custom			
Wide Mode (16:9)	Wide Zoom/Normal/Full/Zoom			
Light Sensor	Yes	Yes	Yes	Yes
Noise Reduction	Yes	Yes	Yes	Yes
Advanced Video Processor	Motion and edge adaptive I/P converter; Contrast enhancer circuit; MPEG noise reduction; Green and blue enhancer; CineMotion/Film Mode/Cinema Drive			
VESA Compliant	Yes	Yes	Yes	Yes
Energy Star Compliant	Yes	Yes	Yes	Yes
VESA FDMI Complian	Yes	Yes	Yes	Yes
Sound Mode	Dynamic/Standard/Custom			
SRS TruSurround XT	Yes	Yes	Yes	Yes
Dolby Digital Decoding	Yes (AC3 for ATSC)	Yes (AC3 for ATSC)	Yes (AC3 for ATSC)	Yes (AC3 for ATSC)
MTS Stereo Decoder	Yes	Yes	Yes	Yes
A/V Sync	Yes	Yes	Yes	Yes
Picture Freeze	Yes	Yes	Yes	Yes
Favorite Channel	Yes	Yes	Yes	Yes
Channel Label / Skip, Add	Yes	Yes	Yes	Yes / Yes
Parental Control (V-Chip)	Yes	Yes	Yes	Yes
Input Skip	Yes	Yes	Yes	Yes
Power Save Mode	Yes	Yes	Yes	Yes
Clock	Yes	Yes	Yes	Yes
Sleep Timer / Timer Clock	Yes	Yes	Yes	Yes
Auto SAP / Video Label	Yes	Yes	Yes	Yes
Closed Caption (CC)	Yes	Yes	Yes	Yes
ID1 Detection	Yes	Yes	Yes	Yes
Weight with Pedestal	28.7 lbs.	37.5 lbs.	59.5 lbs.	75 lbs.
Weight w/o Pedestal	25.3 lbs	33.1 lbs.	46.3 lbs	61.7 lbs.
Dimensions with Pedestal	25 29/32 x 20 5/16 x 8 5/8″	31 3/16 x 23 1/32 x 8 5/8″	38 3/8 x 28 3/16 x 13 5/32″	44 1/8 x 31 1/8 x 13 1/8″
Dimensions w/o Pedastal	25 29/32 x 18 1/8 x 3 23/32″	31 3/16 x 21 1/8 x 3 3/8″	38 3/8 x 26 5/32 x 4 1/16″	44 1/8 x 29 1/8 x 4 3/8″

FWD-32LX1 • FWD-40LX1

32" and 40" High Definition Flat Panel LCD Monitors

Offering businesses advanced networking and display capabilities, the FWD-32LX1 (32") and FWD-40LX1 (40") LCD monitors are designed to fit a variety of businesses ranging from small retail shops to large hotels. Restaurant, lounge and shopping mall operators will especially appreciate the long lived high brightness display. They incorporate the Sony WEGA Engine system, a digital processing system that reduces video artifacts that can result from those analog/digital conversions. They deliver 1000:1 contrast ratio, and both incorporate S-LCD panels which produce exceptional black level reproduction and drastically improves gradation.

For even more versatility, they are equipped with an option slot(s) for a tuner, IP addressable network media card with flash memory, or expanded video I/O. Each display can be controlled remotely with Sony's BKM-FW32 Network Management Card or BKM-FW50 Network Media Card via ethernet. The BKM-FW50 networking card also has the ability to remotely control multiple displays, as well as transmit movies or still images.

At 40-inches, the FWD-40LX1LCD panel fits easily into most hospitality-standard dressers. As a result, guests are given a better viewing experience without the added expense of a major room renovation. This model also has a 178/178° viewing angle, a key feature for conference room space. They feature Sony's elegant bezel or flat design and are available in three colors: pearl white, crystal silver and frosted black.

FEATURES

Phenomenal Picture Quality

- High brightness, superior contrast (1000:1) and super-fast 16ms response time combine to deliver crisp, clear text and smooth motion images for video applications.
- They use the latest S-LCD panel technology, providing a 178° wide viewing angle, along with WEGA Engine technology to deliver remarkable resolution and image clarity.
- Unique WEGA Engine technology optimizes the display's potential by minimizing signal deterioration caused by digital-to-analog conversion. The result is better resolution and sharpness, higher contrast, less digital noise, and greater picture dimension.
- Their 1366 x 768 native resolution is capable of delivering HD performance in an elegant flat display design. They are capable of handling various input timings and sources, including video and PC timings for use with up to 1080i video or 1600 x 1200 PC timing.

Flexible Inputs

- They come ready to work with a wide array of video devices or PC applications. Inputs include analog and digital HD video (using component to HD15 cable, or DVI-D Cable with HDMI to DVI-HDCP), as well as PC input, using HD15 (RGB/YUV) or DVI-HDCP inputs.

Multi Display

- Building a video wall? Don't pay thousands of dollars for external display processors! They feature an Automatic Video Wall Set Up Mode for up to 16 panels.
- The displays can be set used as a video wall segment right out of the box. Simply select the desired matrix size from the choices of 2 x 2, 3 x 3 or 4 x 4.
- Next, use the remote control to indicate on the matrix graphic what position in the video wall puzzle this TV will occupy.

High Performance

- They support P-i-P (Picture-In-Picture) as well as P-i-P features for flexible multi-tasking. P-i-P lets you watch two program sources side by side with the ability to smoothly zoom in on one picture and listen to the program in the selected window.
- Discrete IR Codes are available for use with installations where control systems are used with the Control-S (In/Out) or front IR sensor. In addition, users may select from the Onscreen display (OSD) a setting to fix the input to maintain its current setting.
- RS-232C port and serial control available for advanced installations.
- They accept Sony expansion cards for more inputs or networking control such as the BKMFW50 digital signage card. The FWD-32LX1 has one open card slot (the FWD-40LX1 has two slots), with one populated with a composite (BNC) / S-Video input card with shared L/R audio input.

FWD-32LX1 • FWD-40LX1

Conveniences

- Confused by the endless picture sizing options presented to you by 16:9 aspect ratio wide screen TVs? The monitors can interpret the new Identification Control Signal embedded in some digital broadcasts. When selected, the Auto Wide function selects the most appropriate screen display size and aspect ratio based on the Identification Control Signal.
- Compatible with NTSC, PAL, SECAM, NTSC 4.43, PAL60, PAL-M and PAL-N systems
- On/Off Timer lets you use them like an alarm clock to wake you up, or be on time for a teleconference. By programming the On/Off Timer you can make your home or office seem occupied while you're not there.
- To make installation easier, Sony includes a 10' component (Y/Pb/Pr) to HD15 cable for connecting Digital Cable or satellite receivers. Also included is a DVI-D cable for versatile digital connections.
- Cable management system conceals wires and cables, keeping the back looking streamlined and uncluttered.
- Cinema Drive uses reverse 3-2 pull down technology, also known as Inverse Telecine, to detect the unique cadence of film-originated video and reconstruct the original film frames resulting in smoother action when watching movies.
- Burn-in resistant LCD technology ensures long life when using static images. Low power consumption and long-life panel delivers hours of use to keep total cost of ownership low. Also features anti-glare and anti-reflective screen protectors.
- On-screen display (OSD), available in 10 languages
- Built-in closed caption decoder
- Three custom picture modes as well as Vivid and Standard
- Scratch-resistant crystal-look bezel in a choice of three elegant colors adds upscale refinement to any interior.

FWD-32LX1RB Frosted Black *(SOFWD32LX1RB)*
FWD-32LX1RS Frosted Silver *(SOFWD32LX1RS)*
FWD-32LX1RW Frosted White *(SOFWD32LX1RW)*
FWD-40LX1B Frosted Black *(SOFWD40LX1B)*
FWD-40LX1S Frosted Silver *(SOFWD40LX1S)*
FWD-40LX1W Frosted White *(SOFWD40LX1W)*

Optional Input Boards

Component/RGB Interface Board *(SOBKMFW11)*: This board enables the FWD-42PV1 to receive component (5x BNC) signals. The audio input is realized via phone Jack (L/R).....**149.00**

RGB/Component Active Through Board *(SOBKMFW12)*: With the BKM-FW12 interface a loop function can be created to connect multiple plasma monitors in an active loop function. The audio input is realized via a single audio-in.....**149.00**

Networking Options

Optional network cards and boxes let you centrally control, deliver and troubleshoot digital content across a standard IP network to one or hundreds (up to 255) of networked displays.

Network Management Card *(SOBKMFW32)*: Fits into the FWD-series displays and provide status and control via IP. The card provides network status and control functions, for use with Sony's PJNet! software program (sold separately), for a centralized "command" center, which connects up to 255 networked devices including Sony's flat-panel displays and LCD projectors.....**439.95**

Network Media Card *(SOBKMFW50)*: Provides status and control via IP, as well as streaming video and media. Create content on your PC for use on the card with industry standard development languages/applications such as HTML, Photoshop, Microsoft Movie Maker and other Windows applications. A CompactFlash memory slot inside the monitor enables JPEG images and MPEG movies to be displayed in slideshow mode, for local playback for users who do not wish to stream content.....**584.95**

Network Streaming Box *(SOEBSN200)*: Another key benefit of the displays is their ability to remotely monitor and control them and send content across a standard IP network. Sony's integrated network box enables network status and control to monitor and troubleshoot multiple devices from a central location. Additionally, it provides the ability to stream MPEG video, access the Web and present remote desktop applications across a standard IP network. Usercan continuously loop feeds from internal sources, such as proprietary, in-house programming.....**739.95**

Hospitality Clone Device *(SOEBSSP15)*: A stand-alone TV tuner with hotel networking, that works with the displays, the Hospitality Clone Device is suitable for home use, recreation vehicles, corporate, campus, conference rooms, and hotels. It provides connection to cable and over the air broadcasts (181 channel CATV Tuner), and has internal Picture-in-Picture capability. It also allows connectivity to all major hotel VOD systems (OnCommand, LodgeNet, Hospitality Network, and others).....**654.95**

	FWD-32LX1	FWD-40LX1
Composite Video	BNC x1	BNC x1
S-Video	Mini Din 4 Pin x1	Mini Din 4 Pin x1
RGB Component Vide	D-sub 15-Pin (female) x1	D-sub 15-Pin (female) x1
Stereo Audio for RGB Video	3.5 mm Stereo Minijack x1	3.5 mm Stereo Minijack x1
DVI	1	1
DVI Stereo Audio	3.5 mm Stereo Minijack x1	3.5 mm Stereo Minijack x1
High Impedance Audio (500mVrms)	Pinjack x2	Pinjack x2
Composite Video (Loop- Through)	BNC x1	BNC x1
S-Video (Loop-Through	Mini Din 4 Pin x1	Mini Din 4 Pin x1
Dimensions (WxHxD) / Weight	31.6 x 19.4 x 4.2"; 38.5 lbs.	39.3 x 23.7 x 5"; 60.6 lbs.

FWD-42PV1

42" Extended Definition Plasma Monitor

The FWD-42PV1 PlasmaPro is a flat panel display with several features that make it well-suited for the demands of today's business environment, including a category-leading 10,000:1 contrast ratio for vivid picture quality for digital signage, hospitality and conference room applications. It also offers WVGA resolution (852 x 480), and the ability to display images and video from a wide assortment of inputs and formats. The monitor has two slots to accommodate a television tuner and the BKM-FW32 network card, enabling users to monitor the display's status and troubleshoot multiple networked displays from one central location. For added convenience when integrating into a system, an AC outlet is provided to supply power to equipment such as twisted pair transceivers up to 0.5 A. Last, lower total cost of ownership, due in part to low power consumption, adds to overall value. A special edition model FWD-42PV1A/S which works effectively at high altitudes, which can affect standard plasma displays is also available.

FEATURES

- Incorporates a WVGA plasma display panel that achieves a high brightness and high contrast ratio. Resolutions of 852 x 480 pixels and a 1.08mm pixel pitch produce excellent image quality and sharp colors
- Digital Video Input (DVI-D HDCP) offers a high picture quality when used with a DVI-equipped PC (DVI video cable is supplied).
- Ultra-high panel brightness and contrast (10,000:1) ratio. Anti-reflection (AR) coating on the glass protection panel reduces light reflection for clear, high-contrast pictures. Ideal for HD content or PC signals.
- Long panel life (60,000 hours to half brightness)
- Lower power consumption at only 260W
- Full screen saver functions including Auto Dimmer function and on/off timer.
- 7-watt digital stereo audio amplifier with optional speakers (SS-SP42FW/S)
- Supports standard and HDTV formats including 1080i, 720p, 1080/24Psf, and 480p as well as DVI and RGB computer signals
- Energy-saving mode decreases the power consumption
- Added flexibility comes from the format-free layout. The unit can be mounted horizontally, fixed on an optional stand or to a wall, or hung from the ceiling. The connector panel is located on the lower back of the display providing easy, inconspicuous hookup.
- In addition to standard 4:3 mode, the FWD-42PV1 can optimize the display of other aspect ratios to eliminate or greatly reduce the amount of dead space visible around the image. Available modes include Expanded 4:3 (16:9 wide zoomed), Letterbox (16:9 zoomed), Full 16:9 and Subtitle 16:9.
- A core part of the FWD-42PV1's appeal is its versatility. In addition to fixed HD15 RGB/Component and DVI-HDCP inputs, it has composite and S-Video inputs on a removable module. This can be swapped out for other options, including 5-way BNC or a pass-through for connecting multiple monitors in an active loop.
- Control-S and RS-232 ports for remote management. Control-S allows for simple, unidirectional control of single units or daisy-chained arrays, while the RS-232 port is bi-directional and provides feedback such as status checks and even failure codes.

Get your Message Across

Combining attention-grabbing image quality with versatility, stylish design and long product life, the FWD-42PV1 was designed to be noticed. The outstandingly bright and clear picture is ideal for digital signage applications, public entertainment or any situation where the aim is to get the message across.
Featuring 852 x 480 ED (Extended Definition) resolution and anti-reflective panel protection, the FWD-42V1 PlasmaPro monitor is designed for sales and marketing promotions for digital signage applications, including point-of-purchase and brand advertising, as well as information display in transportation hubs. It is perfect for setting the right mood in restaurants, casinos, clubs and lounges playing background video to entertain. The monitor's rugged yet durable design also makes it ideal for rental and trade show applications.

FWD-42V1

Screen Saver

The lifetime of the plasma screen can be greatly prolonged by a screen saver. That's because, if an image doesn't change in brightness, or a still image, such as the kind of image displayed on a computer, is displayed for a long time, an after-image (ghosting) may be burned into the display panel. To correct or lessen the severity of this problem, the monitor is equipped with a screen saver function. There are three screen saver modes: Picture Orbiting; Picture Inversion and Background.

- Orbiting and Inversion are timer-programmable modes that move the image around and reverse its color tones, both methods of reducing the danger of burn-in.
- The Background function is used when there is dead space around the image creating a sharp contrast in brightness. The background tone can be set from black to dark grey or light grey to compensate.
- An internal timer can be used to switch the display on or off at specific times, independently of the external control system. This both reduces overall power consumption and extends the life of the display.

Audio

- When audio is needed, users can rely on the inboard amplifier to deliver 2x 7-watts of clean, punchy sound. Better yet, the optional SS-SP42FW speaker set mounts at the sides of the cabinet and delivers great sound from a compact but stylish format which matches the overall design of the display.

RM-980 Remote Commander

- To make setup as speedy as possible, the FWD-42PV1 is supplied with the RM-980 Remote Commander. This allows direct access to important functions such as input selection, volume control, picture control, aspect ratio and picture size and position.
- The remote can also be used to select and control an individual display in an array using it's ID-mode and numerical keypad.
- The monitor can also be configured using a 6-language graphical on-screen menu.
- When required the remote can be used to disable the physical control panel on the monitor itself, including the on/off function.

Multi Display

For fast and easy video wall creation, the on-screen control features a Multi Display Setup function. This lets users set the zoom factor or the amount of screens in the array, then the location in the wall of each individual monitor. When audio is needed, users can rely on the inboard amplifier to deliver 2x 7w of clean, punchy sound. Better still, the optional SS-SP42FW speaker set mounts at the sides of the cabinet and delivers great sound from a compact but stylish format which matches the overall design of the display. "

The zoom function can be used when multiple monitors are assembled into a video wall. By setting the zoom level to 2x, 3x or 4x, arrays of 4, 9 or even 16 screens can be co-ordinated to display a single image – all without any need for an additional picture processor.

Optional Interface Boards

To ensure that the FWD-42PV1 is compatible with the widest possible range of signal types, three optional modules are available for adding more connectors. You can fit a module using a slot next to the standard connectors on the rear panel:

Video Interface Board *(SOBKMFW10)*
The Video Interface Board enables the FWD-42PV1 to connect composite video, S-video and audio sources .....**CALL**

Component/RGB Interface Board *(SOBKMFW11)*
This board enables the FWD-42PV1 to receive component (5x BNC) signals. The audio input is realized via the phone jack (L/R).....**149.00**

RGB/Component Active Through Board *(SOBKMFW12)*
This card provides 15-pin input and loop output connectors so that multiple monitors can be fed the same computer/video signal **149.00**

FWD-42V1	
Signal System	NTSC, PAL and Secam systems
Screen Size	42"
Aspect Ratio	16:9 wide screen panel
Number of Pixels	852 horizontal x 480 vertical pixels
Contrast Ratio	10,000:1 contrast; over 1 billion colors differentiated
Input and Output Connectors	**DVI-D**- special 24-pin (x 1); **Analog Component/RGB** - 15-pin (x 1 input); **S-Video**- 4-Pin (x 1 input); **Composite Video**- BNC (x 1 input, 1 loop output); **Audio**- RCA (x 4 input, 2 stereo pairs); **Headphone**- stereo-mini (x 2 output); **RS-232C Control**- 9-pin (x 1 input)
Speakers	Optional
Dimensions and Weight	44.75" x 25" x 4" (WHD); it weighs 66 lbs.
Included Accessories	Wireless remote control, 2x AA batteries, DVI-D cable, AC plug holder, 4x cable holders, 2 years parts and labor warranty except for the plasma panel, which has a 1 year warranty

FWD-42PX2 • FWD-50PX2

42- and 50" High Definition Plasma Monitors

Well suited for corporate and consumer applications, the FWD-42PX2 and FWD-50PX2 are stylish 42- and 50" plasma displays with a 10,000:1 contrast ratio and more than 60,000 hours of life. The displays have both DVI-HDCP and dual option slots. Additionally, they feature picture-in-picture, advanced video wall and optional network connectivity, making them ideal for a digital signage applications in office lobbies or reception areas. Integrated stereo amplifier and optional speakers will support all of your audio requirements. The FWD-42PX2 comes in black, the FWD-50PX2 has a flat finish available in silver or black.

FEATURES

High Performance

- Ultra-high panel brightness and contrast (10,000:1) ratio. Anti-reflection (AR) coating on the glass protection panel reduces light reflection for clear, high-contrast pictures. Ideal for HD content or PC signals.
- The 1366 x 768 native resolution is capable of delivering HD performance in an elegant flat display design. The display is capable of handling various input timings and sources, including video and PC timings for use with up to 1080i video or 1600 x 1200 PC timing.
- The displays have a long-life panel of 60,000 hours—that's seven years. The panels are capable of 1.07 billion colors, the result is a life-like image with rich color reproduction for home theater applications.
- They support P-i-P (Picture-In-Picture) as well as P-i-P features for flexible multi-tasking. P-i-P lets you watch two program sources side by side with the ability to smoothly zoom in on one picture and listen to the program in the selected window.
- Discrete IR Codes are available for use with installations where control systems are used with the Control-S (In/Out) or front IR sensor. In addition, users may select from the Onscreen Display (OSD) a setting to fix the input to maintain its current setting.

Flexible Inputs

- The displays come ready to work with a wide array of video devices or PC applications. Inputs include support for analog and digital HD video (using component to HD15 cable, or DVI-D cable with HDMI to DVI-HDCP), as well as PC input, using HD15 (RGB/YUV) or DVI-HDCP inputs.
- They are also capable of using compatible Sony expansion cards for additional inputs or networking control. The display has two available card slots, with one populated with a Composite (BNC) / S-Video input card with shared L/R audio input.
- RS232 port and serial control available for advanced installations.

Multi Display

- Building a video wall? Don't pay thousands of dollars for external display processors! They feature an Automatic Video Wall Set Up Mode for up to 16 panels.
- The displays can be set used as a video wall segment right out of the box. Simply select the desired matrix size from the choices of 2 x 2, 3 x 3 or 4 x 4.
- Next, use the remote control to indicate on the matrix graphic what position in the video wall puzzle this TV will occupy.

Conveniences

- User-selected screen saver adds a signal monitor that identifies a static image on the screen that can cause permanent image retention. If the display senses this static video image for several minutes, it will automatically dim the display brightness to reduce the potential effect of permanent image retention.
- Other screen saver modes include Background, Multi-Mode Picture Orbit, Picture Inversion, Power Save, Smart Fan Technology, Timers and White screen.
- Included accessories make a difference for easy installations, which is why Sony includes a 10' component (Y/Pb/Pr) to HD15 cable for connecting digital cable or satellite receivers. Also included is a DVI-D cable for versatile digital connections.
- Cable management system conceals wires and cables, keeping the back looking streamlined and uncluttered.
- Low power consumption and long-life panel delivers hours of use to keep total cost of ownership low. Also features anti-glare and anti-reflective screen protectors.
- Selectable color temperature modes include Cool, Neutral, and Warm. Selectable picture modes include Custom (3), Vivid and Standard.

Optional Input Boards

Component/RGB Interface Board *(SOBKMFW11)*: Enables the FWD-series displays to receive component (5x BNC) signals.....**149.00**

RGB/Component Active Through Board *(SOBKMFW12)*: Allows a loop function to be created to connect multiple plasma monitors in an active loop function **149.00**

Networking Options

Optional network cards and boxes let you centrally control, deliver and troubleshoot digital content across a standard IP network to one or hundreds (up to 255) of networked displays.

Network Management Card *(SOBKMFW32)*: For use with Sony's PJNet! software program (sold separately). Provides network status and control functions via IP, for a centralized "command" center, which connects up to 255 networked devices including Sony's flat-panel displays and LCD projectors.....**439.95**

Network Media Card *(SOBKMFW50)*: Provides status and control via IP, as well as streaming video and media. Create content on your PC for use on the card with industry standard development languages/applications such as HTML, Photoshop, Microsoft Movie Maker and other Windows applications. A CompactFlash memory slot inside the monitor enables JPEG images and MPEG movies to be displayed in slideshow mode, for local playback for users who do not wish to stream content.....**584.95**

Network Streaming Box *(SOEBSN200)*: Enables network status and control to monitor and troubleshoot multiple devices from a central location. Additionally, it provides the ability to stream MPEG video, access the Web and present remote desktop applications across a standard IP network. Usercan continuously loop feeds from internal sources, such as proprietary, in-house programming **739.95**

Hospitality Clone Device *(SOEBSSP15)*: A stand-alone TV tuner with hotel networking. For home use, recreation vehicles, corporate, campus, conference rooms, and hotels. It provides connection to cable and over the air broadcasts (181 channel CATV Tuner), and has internal Picture-in-Picture capability. It also allows connectivity to all major hotel VOD systems (OnCommand, LodgeNet, Hospitality Network, and others) **654.95**

	FWD-42PX2	FWD-50PX2
Signal System	NTSC, PAL and Secam Systems	NTSC, PAL and Secam Systems
Screen Size	42"	50"
Aspect Ratio	16:9 Wide Screen Panel	16:9 Wide Screen Panel
Brightness	450cd/M^2	450cd/M^2
Number of Pixels (HV)	1024 x 768	1366 x 768
Contrast Ratio	10,000:1	10,000:1
Input and Output Connectors	YUV/RGB Component- 3 BNC (x 2 input); S-Video- 4-Pin (x 1 input); Composite Video- RCA (x 1 input, 1 output); Audio- RCA (x 4 input, 2 stereo pairs); RS-232C Control- 9-Pin (x 1 input)	
Dimensions (WxHxD) / Weight	40.7 x 24.8 x 4.8"; 66.1 lbs.	49.4 x 29.6 x 4.4"; 96.8 lbs.

SANYO PDP-42H2AMC

42" HD Multimedia Plasma Display

This HDTV-compatible 42" plasma monitor offers a typical contrast ratio of 1000:1 as well as overall brightness rated at 1100 cd/m2. It displays a full 1024 x 1024 image (up to 1080 lines interlaced or 720 lines progressive. 3D chrominancel and luminance separation and digital progressive scanning further enhance its extraordinary picture performance. Ideal for any type of multimedia presentation—in addition to component and composite video options, it has been engineered to function as a computer display monitor meeting XGA display specifications.

- The PDP-42H2AMC performs well in a wide range of room settings. Its unusually broad viewing angle–more than 175° vertical & horizontal–ensures that audience members at the extreme right and left will see a clear, undistorted image without straining.
- An innovative Dynamic AI circuit constantly monitors different picture performance parameters (ambient lighting, white balance, etc.) and automatically makes any adjustments necessary to maintain optimum image quality. A built-in screen saver to reduce the possibility of burn-in.
- Select from three composite or S-Video inputs (3 RCA and 2 BNC), one component video/RGB input (D-Sub 15), two computer inputs (D-Sub 15 and a DVI-D input with HDCP for an HD set top box) and an RS-232 control port. There are also jacks for an external monitor (BNC and RCA), component/RGB output (D-Sub 15), optional PD-Net Organizer and optional speakers.
- Optional network card lets you use the PDP-42H2AMC as a network monitor, using the web to monitor and control the display. Additional software is not required.